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ISSUED EVERY WEDNESDAY



# DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy  
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME XIII,

NEW YORK, JULY 4, 1923

No. 1

## GENERAL CHEMICALS

A Mark of Pledged Responsibility



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THE NICHOLS CHEMICAL CO., LTD., MONTREAL

**In This Issue** { *How the Flexible Tariff Works*  
*By C. R. DeLong*

[JULY 4, 1923]



*"They who excel in  
zeal, in toil precede,  
must of all others  
fairly take the lead."*

ANWAR-I-SUDEILE

# *Mooning of the Bulls*

by *Frederick Remington*  
(1861 - 1909)

REMINGTON, whose works of life on the western plains are so universally popular, painted "Mooning of the Bulls" for Collier's Weekly in 1907.

Frederick Remington was an artist, a sculptor and an author. His life was spent largely in the West among the pioneers and in outposts of the army with which he was often under fire. His richly colored works are full of that intense action which characterized the virgin country, the rough prospectors and pioneers, the army and the Indians, in short—the West of his time.

Today industry reigns on the plains he so cleverly portrayed. Truculence has retreated before civilization, the picturesque before the practical. The vision of Remington's pioneers has become reality and the fruits of their labors are enjoyed by the citizens of today. St. Louis in its early days was little more than a village whose commerce was confined to grain, furs and kindred products of a purely elementary character. Today, greater St. Louis, a metropolis of a million inhabitants, has evolved from the outpost of the pioneers; steel, shoes and chemicals have supplemented her early commerce of grain and furs.

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This is the first of a series of advertisements featuring well known paintings, hanging either in the home of John F. Queeny, Chairman of the Board of Monsanto Chemical Works, or in the general offices of the company in St. Louis.

MONSANTO





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**ARMSTRONG'S CORKS**



[JULY 4, 1923]

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Montreal—Toronto

**DRUG & CHEMICAL MARKETS**

PUBLISHED EVERY WEDNESDAY BY

**DRUG & CHEMICAL MARKETS, INC.**

WILLIAMS HAYNES, President

IRA P. MACNAIR, Secretary F. E. BURGIN, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay Home Life Bldg., Washington, D. C. Cable Chemmarket

80 Fenchurch st., London, E. C. 3.

19 Rue Auber, Paris

40 Gr-Burstah, Hamburg

18 Yamashita-cho Kyobashi-Ku, Tokyo

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

## SUBSCRIPTION RATES

United States, Cuba and Mexico \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

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**CHURCH & DWIGHT Co.**

80 Maiden Lane

New York

**Bicarbonate of Soda  
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Monohydrate of Soda**

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**Deal Direct with the Manufacturer**

Bicarbonate of Soda  
Liquid Chlorine-Caustic Soda



Sesquicarbonate of Soda  
Bleaching Powder-Soda Ash

[JULY 4, 1923]



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60-62%

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Also 30%—33% Crystals.

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**Industrial Chemicals**  
**Dyes**  
**Intermediates**  
**Insecticides**  
**Magnesium Metal**

**THE DOW**

MIDLAND, MICHIGAN

**CHEMICAL CO.**

NEW YORK CITY, U. S. A.



ISSUED EVERY WEDNESDAY

# DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XIII, NUMBER 1

[JULY 4, 1923]

## WHO WAS DECEIVED?

Whatever may be the decision in the Government suit against the Chemical Foundation the fact that it was instigated by German interests becomes more and more apparent as the witnesses for the defense give their evidence. While the prosecution continues to contend that President Wilson was misled, deceived, tricked by dye interests seeking a monopoly, it begins to look as if President Harding was misled, deceived and tricked by German interests.

The weakness of the Government case was made clear even during the presentation of evidence by the Federal attorneys, and it is emphasized from day to day as new facts are brought out proving that President Wilson was fully aware of all facts and conditions bearing upon the proposed sale of German patents to the Foundation. No one can read the rulings by the Court during the proceedings without feeling that the defense has scored frequently on important points and that the burden of proof is becoming a difficult load for the attorneys of the Department of Justice to carry.

The disclosures by A. Mitchell Palmer concerning the German-American Lumber Co., in which a member of the Royal House of Germany was the chief stockholder, and which proved to be a storehouse for propaganda literature and not a lumber company, give some idea of the conditions which moved the Government to put the German patents and German property in this country in the hands of Americans and to sell the patents to a group of men whose standing made certain that the processes involved would not be used to destroy the chemical industry of the United States.

## CHEMICAL PRICE MOVEMENTS

During June, chemical prices declined on an average of two per cent. The movement brought quotations for industrial chemicals to the lowest point which they have touched thus far during 1923. Although a few items have shown strength with firm prices and even a feeble attempt to climb upward upon occasion, the weight of sagging prices generally has tended to depress the entire market. Some important products such as caustic potash, sodium bichromate, tin crystals, acetate of lime, acetic acid, sugar of lead, Glauber's salt, and others stand above the figures of January first in spite of any reverses suffered during May and June. There are others, however, which have drop-

ped back since May first below the figures ruling when the year opened, including sodium nitrate, the prussiates, copper sulfate, ammonium sulfate, bleaching powder, barium chloride, chlorine, oxalic acid, among others.

Among the medicinal chemicals, the situation has been somewhat different. In no instance, did the medicinal group lose as much ground as the industrial products. As a matter of fact, a simple average shows fine chemicals at the highest point of the year on June 30. This has been due to a great extent to the effects of a two dollar speculative advance in menthol and a dollar per ounce advance in morphine forcing up the average somewhat disproportionately. Exclusive of these two products, the movement among the medicinals has been similar to the heavy chemicals except that the downward drift since May 1 has been much less pronounced in the fine chemicals.

Taken all in all, the first half of the year has been very satisfactory. During three months, business was very active with rising prices. During April, things slowed down slightly with prices stationary. May and June have seen dull business generally with price tendencies downward. Averaged over the period, a good bulk of chemicals was moved at fair prices. The business consummated by American makers during the six months was large. Importers, also, sent fair stocks of chemical products into consuming channels, although the slump of May-June hit the seller of foreign goods in the U. S. much harder than it did any American maker. Contracts written early in the year by the makers as against attempted sales from spot stocks in the face of dull demand by importers, were undoubtedly the explanation of this condition.

The belief is general that most of the big chemical consuming industries are short of chemicals. Continued activity in rubber, paper, textiles, glass, leather, and other industries, after they had quite generally quit buying chemicals except in a very restricted way, has led to this belief. Any reserve stocks are thought to have been cut down in this manner. To-day, these industries, except the paper mills, are running on part time. A resumption is predicted before the end of summer. Already, several chemical factors who are in a position to know, state that they believe the turning point away from dullness is close at hand, as it seems they have detected feelers from certain consuming quarters which indicate possible July-August buying.

The first six months of 1923 was really the first sustained period of prosperity since the 1920 slump.

There are no reasons within the United States why the second half of the year cannot be made more prosperous when the present temporary dullness passes with the hot weather.

#### FORECASTING BUSINESS BY CHART

It is entertaining to read the reports on the condition of business issued by the Federal Reserve Board, the mercantile agencies, the labor bureaus (state and national), and then turn to the forecasts of the stock market issued by statisticians of the Street who base their conclusions on the general proposition that the pendulum will swing back again, action and reaction being equal over a given period as they claim. Within a few days the Federal Reserve Board found a steady continuance of business activity all over the United States, with two per cent increase in production in basic industries in May, with good demand for labor evidenced by numerous wage advances, with heavy movement of freight, and car loadings exceeding all previous records. Such conditions are certainly not unfavorable to sound business.

In spite of these indisputable facts collected by the best authorities in a nation-wide inquiry, a Wall street chartologist who has been consistently optimistic for more than six months in his views on the trend of the market, suddenly advises his clients "who are unwilling to carry their stocks through a possible year of lower prices to sell immediately on every rally." Why should 1923 be a year of lower prices? Railroad shares do not decline when business is good and Prosperity rides on the pilot of every freight and passenger engine, short hauls and long hauls included. Industrial stocks are not thrown on the market when plants are running to capacity and the demand is greater than production. The railroads and the industries in this country employ nearly 35,000,000 workers. With labor fully employed at good wages the buying power in this group alone is tremendous and will be felt in all lines.

Reading the future trend of prices by means of a chart is challenged by the "Wall Street Journal" as infallibly calculated to make anyone who accepts it as a guide to the stock market a bear at the bottom and a bull at the top. The chart is accused of being a mere perfunctory record, without the intelligent attributes of a barometer (either aneroid or mercury), and entirely lacking the mystic art of the astrologers "who future fates foreshow." Even a marine chart shows where the rocks are, but a chart of Wall street seems to be about as useful as last year's fly swatter, judging by the forecast just made.

Dealers in fake stocks will be tempted to organize potash companies to exploit the discoveries in the alkali lakes of West Texas, reported by the Bureau of Economic Geology of the University of Texas, but the opportunity to gull the public is limited to the size of the lakes. In the recent potash swindles in Texas exposed by the Geological Survey the field of operations was so wide that it was difficult to disprove the claims made by the promoters. If it

was declared that the deposits in one county could not be worked profitably, the swindlers moved into another county and made fresh "discoveries." In the lake district, however, a company cannot be floated successfully unless it is water tight.

Prompt service by the Chemical Division, Department of Commerce, in reporting events in foreign trade and solving domestic problems in the industry, has quickened the interest of manufacturers in the work of C. C. Concannon, chief of the Division. Sources of supply for crude materials needed, and probable consumers of products made in the United States have been furnished promptly and with accuracy owing to Mr. Concannon's experience in the trade before taking his present position.

The increase in wholesale prices of chemicals and drugs, since the depression, has been insignificant in comparison with the advances in the cost of clothing, fuel and building material. The inequality in the improvement is partly the cause of the instability in prices, and indicates that readjustments are still in progress. With no signs of inflation evident, however, the outlook is good for steady improvement.

#### Many Men: Many Minds

Dr. Charles E. Munroe, chief explosive chemist, Bureau of Mines, Washington, reports a discovery in the use of explosives which turns leaves of trees, laces, and fabrics, into metal. Coins and other metal objects have been "fired" by explosives on to the face of iron screens and made a permanent part of the iron. The results achieved by the tests and researches so far announced are on view as part of a fire screen at the Cosmos Club in Washington.

We have heard many claims as to what particular feature won the war—some claim the honor for wheat, others for prohibition, but the final cause which induced the Germans to stop fighting was tissue. The Germans themselves admit that they finally gave up hope, because of the American Propaganda which undermined the morale of their army and of the German people at home. Tissue balloons loaded with propaganda were released by the thousands when the wind was favorable and were so timed that they would go down and distribute their peaceful ammunition behind the German lines and in the larger cities. The success of this experiment was very surprising.—D. E. Harlan, Crystal Paper Co.

Of three important measures of movement in May now available, bank clearings show gains over April of 5.4 per cent and over May a year ago of 7.7 per cent. Price index numbers testify to the wearing effects of the recent quieting down, on quotations for leading commodities, in a decline of 2 per cent in wholesale prices in May, this following a similar decrease of 2 per cent in April. May failures were notable for the fact that they were practically no greater in number than in September last year—they were fewer than in any subsequent month—were 10 per cent fewer than in April and 11 per cent less than in May last year.—Frank Greene of Bradstreet's in "Nation's Business."

# Production Costs and a Flexible Tariff

## *Method of the Tariff Commission in Handling Rate Change Applications—Drug and Chemical Peculiarities*

By C. R. DeLONG,

Chief of the Chemical Division, U. S. Tariff Commission

THE Ways and Means Committee of the House of Representatives and the Senate Committee on Finance, with the exception of the rates of duty, adopted with but few modifications, the classification of chemicals, oils and paints which was prepared by the Tariff Commission. It is believed that this schedule is a marked improvement over the chemical schedules of previous tariff acts and more nearly approaches a logical and scientific grouping of chemical commodities. It eliminates many products which have become obsolete in commerce, and provides specifically for approximately 100 additional chemicals, as compared with the Tariff Act of 1913. Greater use also has been made of chemical specifications for differentiating between different grades of chemicals. Tannic, lactic, and acetic acids may be cited as examples.

The domestic crude botanical drug industry has evidently received little consideration in prior tariff acts. In general, former tariffs established a differential between the crude product and that advanced in value by grinding or by other processes. There were, however, certain exceptions to this general policy in the Tariff Act of 1913. Specific mention of certain botanicals made all forms free or dutiable as happened to be the case. Since there was no evident logic in according different treatment to these products than that given other botanicals, the Tariff Commission recommended that they all receive the same tariff treatment. Accordingly, with few exceptions, which were made for revenue or protective reasons, the crudest form of botanicals are exempt from duty, while the advanced forms are dutiable at 10 per cent ad valorem. Exceptions to this general policy are coca leaves, licorice root and extract, gentian, buchu, and sarsaparilla, the duties on which are admittedly of a revenue character; and belladonna, digitalis, henbane, and stramonium, on which the duty of 25 per cent was evidently assessed for protective reasons, as these are the botanicals which were cultivated with the greater success in the United States during the war. Sufficient time has not elapsed to state what effect this duty may have on the growing of these botanicals in the United States. Yet it is questionable whether or not the production can be conducted profitably against cheaper labor and the collection of wild products in foreign countries.

The more important medicinal chemicals of inorganic nature have been covered specifically in past tariff acts. The present Act continues this classification and makes special provision for medicinals of coal-tar origin. On the other hand, organic medicinal chemicals of non-coal-

All applications for a change of rate now in effect under the Fordney-McCumber Tariff Act will not be passed upon definitely by the Tariff Commission until after a thorough investigation of the situation. The Commission desires only in its commendations to equalize honest differences in production costs inside and outside of the United States on goods coming into this country. This is the intention of Sections 315 to 317, according to Mr. DeLong in a paper which he read before the annual meeting of the American Drug Manufacturers Association in New York. As one of the foremost authorities on the chemical and drug schedules, his views are well worth consideration.

tar origin have received little consideration. The importance of this group of medicinals warrants separate classification and a more careful consideration from a tariff standpoint. A few organic medicinals were mentioned for the first time in the Act of 1913—chloral hydrate, terpin hydrate, urea, thymol, and the glycerophosphates—and were given higher rate of duty than if they had not been especially provided for. These products are not as difficult to manufacture as other organic chemicals, the production of which was established and developed in the United States during the war period.

The development in this country of these organic medicinals, such as barbital and sulfonal, closely parallels in many ways that of the dye and coal-tar industry. From the view point of comparability of manufacture and from the infant-industry standpoint, these products are in the same general category as medicinals of coal-tar origin. In other words, these products whether derived from coal tar or other sources, seem to merit similar tariff treatment. The Tariff Commission is mindful of the inadequate classification of organic medicinals and it is to be hoped that improvement can be made in future tariff adjustments.

### Flexible Tariff Provisions

The flexible provisions of the present tariff act are an innovation in tariff law, and therefore I assume that you are more or less interested in the plans of the Commission for investigations under these sections. They are found in Sections 315, 316, and 317 of Title III of the law. It is apparent from the applications which the Commission has received that there is considerable misapprehension as to what can be accomplished under these provisions. Many of the requests deal with questions of classification, which are clearly a function of the Treasury Department; others ask that commodities be changed from the dutiable list to the free list or vice versa, which is specifically prohibited by law. The maximum modification possible under the law is either an increase or a decrease of 50 per cent of the existing rates, or in the case of ad valorem duties a change in the basis of valuation from foreign value to American selling price of the domestic product. It is, however, impossible to increase the duty and at the same time change the basis of valuation. In the case of coal-tar products under paragraphs 27 and 28 no increase in duty can be made by the President under section 315; the only possible change in the duty on these products is a decrease, not to exceed 50 per cent.

The law also states that changes in classification may

[JULY 4, 1923]

be made. Many people have taken this to mean that changes in classification which would increase or decrease a duty could be made without consideration of the cost of production. This, however, is not the case, as any change in classification which would involve a change in the rate of duty must be warranted by the facts relative to costs of production, as set forth in the law.

#### Are Costs the Only Basis for Changes in Duty?

An important question, and one on which the workability of section 315 may depend, is whether or not actual and complete costs of production must be obtained both here and in the principal competing countries before changes may be made in rates of duty in pursuance of the flexible provisions of the tariff act. In other words, is the term "cost of production" as used in the Act limited to the ordinary understanding of what constitutes costs? It is readily conceivable that in certain cases considerable difficulty may be encountered in ascertaining foreign costs of production, and the question naturally arises as to whether or not Section 315 can be effective in such cases.

Wherever changes in rates of duty are referred to, it is stated that these changes shall be such that they will equalize the differences in costs of production. Subdivision (c), however, enumerates certain elements which may be taken into consideration, as far as practicable, in ascertaining differences in production costs, a qualification which may prove to be serviceable and important.

If it should be held that actual costs of production must be obtained both here and abroad, it is evident that the usefulness of the flexible tariff provisions will be greatly impaired. On the other hand, it is conceivable that, if the Commission makes an earnest effort to obtain costs of production from firms in foreign countries, and meets with a refusal to divulge this information, other methods of arriving at costs may be employed. Accurate information can be obtained in this country as to prices of imported merchandise c.i.f. New York, ocean charges, packing charges, and the price f.o.b. foreign ports. With these facts and other information that may be obtained in foreign countries, such as costs of materials, power, and fuel and wage rates, in many cases a close approximation can be made of the actual cost of production in foreign countries. It is not unreasonable to expect that such information would satisfy the law so far as costs of production are concerned.

#### Method of Obtaining Production Costs

You may be interested to know the methods of procedure of the Commission in obtaining costs of production here and abroad. At the present time all domestic firms engaged in the manufacture of the chemicals for which the Commission has ordered investigations have been requested to submit their costs to the Commission in accordance with a definite cost form. The Commission is not requesting these firms to fill in cost schedules, but is using cost forms as an indication of the detail in which it is desired that costs be submitted. The costs may be submitted on the individual company's forms.

A question that is naturally foremost in each manufacturer's mind is whether or not the costs of production of individual manufacturers are to be made public or held confidential. The Commission has decided that costs of individual manufacturers will be held strictly confidential and for the exclusive use of the Commission. Costs will be published or revealed only in the form of averages or so as not to reveal the operations of individual firms. The Commission has also

taken the same attitude in regard to costs that may be obtained from foreign manufacturers.

The Commission has adopted the policy of not making public information as to whether or not applications have been filed on various commodities until it has been decided whether investigations are justified. It is, of course, impossible to prevent applicants from giving such information to the public, and the information which has appeared prior to the announcement of an investigation by the Commission has come from this source. The Commission is of the opinion that publicity in connection with each complaint as filed would tend to keep domestic manufacturers and other interested parties in an unsettled condition. Since all complaints may not warrant an investigation or may not for various reasons be investigated, it seems that it would be an unwise policy to keep business in a constant state of turmoil by giving publicity to each application as filed. The Commission, however, assures you that following the announcement of an investigation, ample opportunity will be given to all parties to submit evidence and testimony, and to be heard at a public hearing.

It is apparent that considerable stress has been placed by interested parties on the nature of applications, that is, whether they are for an increase or a decrease in duty, and also as to the names of the applicants. Although the Commission has decided to make such information public, when an investigation is ordered, undue weight should not be given to these facts. The law clearly states that any changes resulting from investigations shall equalize the difference in cost of production in this country and in the principal competing foreign country. It is, therefore, clear that if an application is for an increase of duty and the facts show that a decrease in the rate is the only change that will equalize this difference in costs, such a decrease can be made. The same holds true for converse conditions. The facts should appear to warrant the desired change before an application for an investigation is filed. Otherwise, a change may result which would be adverse to the applicant's interest.

That this situation is not fully understood is shown by the fact that since the Commission has ordered an investigation of certain chemicals, requests have been made for a change opposite to that of the application which resulted in an investigation being ordered by the Commission. It should be clearly understood that a finding by the Commission may be made either way, depending upon facts in the case, regardless of the nature of the application. The Commission is making an honest endeavor to give full effect to the intent of Congress in enacting these special provisions. Moreover, the Commission is well aware of the important task which has been placed upon it.

Bureau of Business Research of Harvard University is making a study of the cost of doing business in the wholesale drug trade of the country. A questionnaire has been sent to members of the National Wholesale Druggists Association, which is co-operating with the Harvard Bureau. The Association, at Colorado Springs, approved this plan because the members believe that there should be available in the hands of some disinterested agency of high standing exact knowledge of costs of doing business.

The entire output of potash salts in Germany for 1922 amounted to 130.1 million centals, equivalent to 15.1 million centals of pure potash,  $K_2O$ , compared with 92.9 million centals of potash salts, or 10.5 million centals of pure potash in 1921, an increase of 43 per cent.

**Business Brevities**

April exports of formaldehyde amounted to 58,553 pounds, valued at \$9,684.

American Cellulose & Chemical Manufacturing Co. has moved to 15 E. 26th st., New York.

Latin-American Mfg. Co., chemists, have moved to larger quarters at 172 Eighth st., Brooklyn.

Carl W. Nesbitt, formerly of Atmospheric Nitrogen Corp., Syracuse, has joined the research staff of Victor Chemical Works, Chicago.

Libbey-Owens Sheet Glass Co., Toledo, O., will build a plant at East Toledo, estimated to cost \$5,000,000, with machinery. E. D. Libbey is president.

Julian B. Beaty has been elected vice-president and secretary of Nichols Copper Co. Mr. Beaty was formerly secretary-treasurer of American Metal Co.

F. C. Teipel, of F. C. Teipel & Co., 53 Park Row, New York, will sail for Europe July 7, for a two to three months' business trip in Great Britain and on the Continent.

Bureau of Labor Statistics, Department of Labor, announces that reports from 98 chemical plants show employment in May to be 21,521 with pay rolls of \$56,292, compared with 20,837 employed in April with pay rolls of \$534,666.

Davison Chemical Co. has closed a contract with Royal Dutch interests covering the operations of the silica-gel process. The company will concede 40 per cent of the royalties on foreign business to the Dutch company, keeping royalties on all domestic business.

J. Coleman Bentley, formerly advertising manager of E. I. du Pont de Nemours & Co., Wilmington, Del., and recently connected with Associated Artists, Inc., Philadelphia, is now advertising manager for E. F. Houghton & Co., Philadelphia, leather, oils, greases.

Wallace Macfarlane has been appointed assistant sales manager of Pacific Guano & Fertilizer Co., San Francisco, Cal. He was previously agricultural advisor for the same company at Honolulu. Mr. Macfarlane will conduct experiments in the field and assist salesmen of the company wherever possible.

Under the heading "Col. Herman A. Metz Paid No Spy in Senate Probe", an advertisement appeared this week in a New York daily newspaper containing a statement by a Wilmington, Del. paper that it had erroneously stated that Col. Metz, while testifying in United States District Court, as a witness for the Government in the suit of the United States against the Chemical Foundation, Inc., admitted that he paid money to a German spy for services in connection with a certain Senate investigation.

**CASEIN TARIFF HEARING AUG. 13**

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, July 3—The Tariff Commission has fixed Aug. 13 for a public hearing under the flexible provisions of the tariff law for a change in the existing rate of duty on casein. Application for a decrease in the present rate on casein, which is 2½c a pound under paragraph 19 of the act, was made to the commission by a committee representing seventy-five paper manufacturers.

**CUSTODIAN PALMER TELLS WHY WILSON DECIDED TO SELL GERMAN PATENTS**

Every Detail of the Situation Discussed With Government Officials—Palmer Never Saw Dye Manufacturers Who Are Said to Have Conspired to Deceive the President

(*Special to DRUG & CHEMICAL MARKETS*)

Wilmington, Del., July 3—Witnesses for the defense in the suit of the Government against the Chemical Foundation were called last week, and made important disclosures regarding conferences with President Wilson previous to the sale of the German patents. A. Mitchell Palmer, former Alien Property Custodian, said in part:

"The larger and far more important class of German investments in this country consisted of investments in commercial and industrial concerns in the United States—very frequently key industries of great importance—by interests in Germany of the same kind that were generally understood at that time to be behind the war—the so-called junker class. In many cases these industries were financed and actively supported by the great German financial institutions.

"Many of these concerns were closely affiliated with the royal family, members of which had made investments over here of a peculiar and interesting nature, which I described to the President. We had become convinced, I told him, that all this investment was in a sense hostile to American interests as a part of the deliberate plan of Germany to conquer the world by trade. It was an invasion of American commercial and industrial fields purely for the German benefit.

"I told him I had found most of these industrial concerns were manned by Germans, frequently not naturalized citizens, sometimes naturalized; that we had run into cases where managers of these plants had been naturalized under written instructions from the German owners in order to be more effective in their work; that many of them were even then what I called spy centers, filled with German propagandists, and all of them would be sedition centers if they were allowed to continue in their present way.

"I cited some instances. For instance, the German-American Lumber Co., a concern worth several million dollars, located in Florida on Pensacola Bay, in which a member of the Royal House of Germany was a chief stockholder. He had never seen the property; he had never taken anything out of it; he had continued to increase his investment until his concern owned every advantageous place in the finest harbor in the Gulf of Mexico, the nearest harbor on American soil to the Panama Canal. When we took over that plant, instead of finding its files filled with interesting and important data with reference to the lumber business, as we expected, we found it was a storage place for pan-German literature, a distribution center for propagandists in this country.

"I told him that my observation had been that practically all of these great properties that I was managing were profitable. Most of them were profitable entirely because of war conditions. They were engaged in the manufacture of articles necessary for the war, or whose price had been largely enhanced by the war conditions, and it seemed to me, as I hoped it would seem to him and to the Congress, an absolutely immoral proposition that the Government of the United States should at its own expense be carefully operating these great properties and making tremendous money which would, presumably be returned to their stockholders eventually,

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out of the very war for which the stockholders and their other friends in Germany were responsible.

Mr. Palmer denied that he had, prior to incorporation of the Chemical Foundation, Feb. 19, 1919, met representatives of the American Dyes Institute, members of which are alleged to have misrepresented facts to him. The complaint names the Manufacturing Chemists' Association, National Aniline and Chemical Co., General Chemical Co., Solvay Process, Semet Solvay, the Barrett Co. and E. I. du Pont de Nemours & Co. Mr. Palmer said he never saw their representatives.

When Colonel Anderson moved to strike out conversations between Mr. Palmer and President Wilson because the latter cannot be summoned to court to testify either under law or propriety, Judge Morris asked:

"Then is it possible to charge the President with ignorance and by that charge convict him of it without an opportunity for denial?"

Colonel Anderson insisted that the President's documents would be evidence.

"A person subjected to a charge before a court should not be charged without opportunity of a defense," replied Judge Morris. "It seems to me the inevitable conclusion to be drawn from your contention is that the only thing necessary to do to convict a President of acting without justification, without warrant, in ignorance and by guess, is an allegation in a bill of complaint to that effect.

"There is still doubt in my mind as to the power of the judicial department to review any act within the Presidential discretion. Notwithstanding my opinion that a President or ex-President may not be summoned into a court to defend his acts, I believe that when charged with an improper act there is no avenue and there is no character of evidence that has evidential value that may not be used under such circumstances to show that he did not so act."

Mr. Palmer cited his reasons for the small cash consideration paid for the patents, saying the conditions of the sale made the payment of minor consequence, and declared that a private sale was necessary to prevent an American monopoly replacing a German monopoly and to make impossible the return of the patents to Germany by an individual making the highest bid at public auction.

The Government permitted Mr. Palmer to leave the stand without a word of cross-examination. On Friday the proceedings were enlivened by an interchange between Col. Henry W. Anderson, Special Assistant Attorney General, and Isidor J. Kresel, counsel for the Foundation.

Col. Anderson charged the mysterious disappearance of important documents from the custodian's office coincident with Mr. Garvan's resignation and Thomas W. Miller's accession, and remarked that some of these documents had been appearing in the trial as documents of the defense. He asserted that the delay in bringing this suit was due largely to inability of the Government to locate these papers. Mr. Kresel indignantly expressed the resentment of the defense against the insinuations.

Francis P. Garvan, successor to Mr. Palmer as Alien Property Custodian, and now president of Chemical Foundation, took the stand on Friday, but his examination was not begun until Monday.

Mr. Garvan gave details of the German monopoly before the war, and told of the work of the Chemical Foundation to build up the industry in this country. He said the Foundation had a deficit of \$147,681 on account of expenditures in its educational campaign.

## VIRGINIA-CAROLINA CO. DENIES RUMORS

**President Says Report of Receivership Is Nonsense—Has \$43,572,000 Assets—Liabilities \$17,575,000**

A preliminary report of the operations of the Virginia-Carolina Chemical Co. for the fiscal year ended May 31, 1923, shows a loss from operations, after all charges, of approximately \$3,000,000. The detailed annual report will not be issued for some time, but in view of the rumors which have been circulated in the financial district, C. G. Wilson has made a preliminary statement covering the financial position of the company. The report shows current assets of \$43,572,000 on May 31, against net current liabilities of \$17,575,000. The statement says:

"During recent months there have been persistently circulated rumors and reports emanating from unknown and irresponsible sources reflecting upon the financial integrity of the Virginia-Carolina Chemical Co. The intimation of a receivership for the company is arrant nonsense. The company's fiscal year ended May 31, 1923. The usual audit by Messrs. Price, Waterhouse & Co. is now being made. The preliminary figures show that the consolidated loss from operations, after all interest charges, was approximately \$3,000,000.

"On May 31 the company had \$43,572,000 of current assets (round figures). After charging off an amount which in the opinion of the officers removes all question of doubt as to the value of the company's bills and accounts receivable, that item stood on May 31, \$24,528,000; inventories, \$11,694,000; cash, \$6,903,000; marketable investments, \$447,000. The consolidated current liabilities amounted to \$17,575,000. The consolidated ratio of current assets over current liabilities was 2.45 plus; the ratio of the Southern Cotton Oil Co. was 1.55 plus, and the Virginia-Carolina Chemical Co., standing alone, 3.37.

"The inventories of each company are conservative, both as to quantity and value. Not included in the total of current assets as stated above, the company owns free assets of other companies unpledged and having a salable value in excess of \$3,000,000. The fertilizer end of the company's business made a pleasing and substantial improvement over the previous year. The fertilizer business has unmistakably made the turn of permanent improvement.

"While the Southern Cotton Oil Co. had an unprofitable year, there is nothing to suggest that the causes and conditions that brought that result about can or will repeat themselves during the present fiscal year. The Southern's business is progressive, and it is progressing in the right direction. The outlook for both branches of the business is good."

## GERMAN-DYEING RUINED HOSIERY

When a New York department store urged customers to return certain hosiery and announced that "it appears some of these stockings contained too strong a dye for the weight of the silk, making satisfactory service improbable," Newport Chemical Works wrote to the company requesting information and declaring "There isn't any such thing as too strong a dye for one fibre or another, certainly not in the sense that it will make the fibre itself defective."

The department store referred the letter to Julius Kayser & Co., who replied: "The stockings in question were imported by us from Germany, and as a result of the trouble that Gimbel Bros. had with them we had them examined in our analytical department and found that the weakness of the silk was due to the silk having been burned in the dye as well as too much weighting."

## QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending June 30

	Bid	Asked		Bid	Asked
Air Reduction	59	60	Heyden Chem.	134	..
*Allied Chem. & D.	65 1/2	66 1/2	Hoover Electro	55	65
*Allied Ch. & D., pf.	106 1/2	108	Hoover Electro, pf.	60	70
*Am. Ag. Ch.	13 1/2	13 1/2	"Household Products	29 1/2	29 1/2
*Am. Ag. Ch., pf.	34 1/2	36	"Int. Agricult.	3	3 1/2
*Am. Chicle	9	9 1/2	"Int. Agricult., pf.	10 1/2	11
*Am. Chicle, pf.	40	49	"Int. Nickel	12 1/2	13
*Am. Cot. Oil.	4 1/2	5 1/2	"Int. Nickel, pf.	80	81 1/2
*Am. Cot. Oil, pf.	16	18	"Int. Salt	78 1/2	..
*Am. Cyan.	48	51	Mathieson Alk.	38	40
*Am. Cyan., pf.	73	75	Merck & Co., pf.	84	86
*Am. Druggist S.	4 1/2	4 1/2	Merrimac	96	..
Am. Glue	82	85	Mulford Co.	29	34
Am. Glue, pf.	124	126 1/2	Mutual Co.	150	..
*Am. Linseed	18 1/2	21 1/2	"National Lead	113 1/2	115
*Am. Linseed, pf.	36	40	"National Lead, pf.	106 1/2	109
*Am. Malt	12	13	N. J. Zinc	149	152
*Am. Zinc	8 1/2	9	Niag. A., pf.	96	..
*Am. Zinc, pf.	37	39	Parke, Davis & Co.	78	..
*Atlas Powder	160	162	Penn Salt	80	..
*Atlas Powd., pf.	89	90	"People's Gas, Chi.	88 1/2	89
By. Prod. Co.	67	72	Procter & Gamble	124	128
Carborundum	135	135 1/2	Procter & Gam., pf.	102	106
Carborundum, pf.	115 1/2	116	Royal Bak. Po.	122	130
Casein Co.	60	66	Royal Bak. Po., pf.	98	101
Celluloid Co.	85	90	Sherwin-Williams	28 1/2	..
Celluloid Co., pf.	108	111	Sherwin-W., pf.	100 1/2	..
Ches. Mfg.	223	228	Stand. Ch.	90	100
Ches. Mfg., pf.	110	114	Swart & Finch	25	29
Com'l Solv. A.	27	30	"Tenn. C. & Chem.	86	91 1/2
Do B	16	23	"Tex. Gulf. Sul.	57 1/2	57 1/2
*Corn Products	124	124 1/2	Union Carbide	52 1/2	53
*Corn Products, pf.	116 1/2	120	Union Sulphur	..	..
*Davison Chem.	33 1/2	35 1/2	"Un. Drug	75 1/2	77 1/2
Dow Chem. non par.	40 1/2	..	"Un. Drug, 1st pf.	46 1/2	48
Dow Ch., pf.	96	..	"Un. Dyewood	40	60
Du Pont de Nem. 109	110	..	"Un. Dyewood, pf.	80	95
*Du P't de Nem. Db.	81	84	Un. Gas Imp.	49	..
Eastman Kodak	..	102	Un. Gas Imp., pf.	55 1/2	..
Eastman Kodak, pf.	108 1/2	..	U. S. Gypsum	64 1/2	..
*Freeport Tex., Sul.	104	11	U. S. Indus. Al.	44 1/2	45
Freep. Tex. Sul., pf.	91	98	U. S. Indus. Al., pf.	97	98 1/2
*Grasselli	125	133	Va-Car. Ch.	74	7 1/2
*Grasselli, pf.	102	105	Va-Car. Ch., pf.	20	21
Hercules Powder	100	105	V. Vivaudou	16	16 1/2
Hercules Powd., pf.	102	104			

\*Listed on New York Stock Exchange

The Quinn sulfur tax bill, levying a 2 per cent occupation tax on production of sulfur, has been passed by Texas legislature in special session and signed by the Governor. It becomes effective ninety days after adjournment. State officials estimate the new bill will net the State \$500,000 annually.

New Jersey Zinc Co. has declared an extra dividend of 2 per cent in addition to the regularly quarterly dividend of 2 per cent. Extra dividend is payable July 10 to stock of record June 30, and the regular dividend is payable Aug. 10 to stock of record at close of business July 31.

Diamond Match Co. has called its outstanding 7 1/2 per cent debentures for payment Nov. 1. The indenture under which these debentures were issued provides notice of redemption shall be given not less than 30 days nor more than 60 days prior to redemption date.

Judging by operations in the first half and orders already on the books, U. S. Industrial Alcohol, after the payment of preferred dividends, is expected to show \$10 or more for the common in the current year.

Allied Chemical & Dye Co. has declared the regular quarterly dividend of \$1 a share on the common stock, payable Aug. 1 to stock of record July 13.

American Can Co. has declared a quarterly dividend of 1 1/4 per cent on common stock, payable August 15 to stock of record July 31.

Judgment for \$322.38 obtained against Miller Strong Drug Co., New York, by Park & Tilford, has been satisfied.

American Glue Co. has declared a quarterly \$2 preferred dividend, payable Aug. 1 to stock of record July 6.

United States Smelting, Refining & Mining Co. has declared the regular quarterly dividend of 87 1/2 cents on the preferred stock. A report covering operations for five months says: Consolidated earnings for first five months of this year are estimated at \$1,868,349, after providing all interest. From these earnings there have been deducted reserves of \$677,424 for depreciation, depletion and amortization, leaving estimated net earnings of \$1,190,925 for the five months period. Preferred dividend requirements for same period are \$709,260. The coal output for the five months' period was 328,700 tons, as compared with 405,790 tons in corresponding period last year.

Pennsylvania Salt Mfg. Co. reports that the company has reaped the benefit of the liquid chlorine plant at Wyandotte, Mich., and Metal & Thermit Co. of New York, both of which were acquired in 1922, and expects improvement in earnings this year, over 1922 which amounted to 12.4 per cent on the \$7,500,000 capital stock. Earnings in 1921 were 12.9 per cent, and in 1920 13.3 per cent, available for dividends.

Commercial Solvents Corp. has declared an initial quarterly dividend of 2 per cent on first preferred for the period ended June 30, payable July 1.

## New Incorporations

## Chemical Industry

Lord & Oliver Mfg. Co., Newark, N. J., \$100,000. Chemicals. James Lord, Reuben S. Oliver, and John Goetsch. Representatives: William and Benjamin Harris, 780 Broad st.

Akin-Shi-Nall Co., Charlotte, N. C., \$100,000. Chemicals. L. W. Wingate, A. M. Akin, and R. F. Stroup.

Union Chemical Co., Wilmington, Del., \$100,000. Chemicals, gases and fertilizers. Franklin L. Mettler.

Manufacturers' Sales Co., New Haven, Conn., \$100,000. Chemicals. W. B. Gumbart, Thomas M. Steele, and Claude H. Voorhees.

Western Drug Importers, New York, \$200,000. J. Bramwell, F. W. Oberkirch, and G. F. Losche. Attorneys, Davis, Wagner, Healer, and Holton, 120 Broadway.

Duroflex Corp., Buffalo, \$37,500. Make cork and bottle stoppers. G. A. and J. L. Galloway, and J. E. Borne.

Caspard Lubricants, New York, \$50,000. H. W. Ahlstrom, W. E. Townsend, A. B. Root. Attorneys, Harrington & Cusack, 15 W. 44th st.

## Consuming Industries

Union Cleaners & Dyers, Inc., Dover, Del., \$100,000. A dyeing, cleaning and tailoring business.

C. G. Boyd Drug & Chemical Co., Wilmington, Del., \$50,000. Conducting drug stores.

Bear Silk Co., 140 Market st., Paterson, N. H., \$100,000. To manufacture silk.

L. G. Silk Mills, Inc., 407 Summer st., Paterson, N. J., \$125,000. To manufacture silk.

H. D. Roosen Co. of California, Dover, Del., \$100,000. Manufacture dyes and inks. U. S. Corporation Co.

Maltose Corp. of New Jersey, Inc., Jersey City, N. J., 20,000 shares of stock, no par value. Glucose and kindred products. John Milton, J. L. Ridley, John J. Tracy, 1 Exchange pl., Jersey City.

Hawthorne Glass Co., 3650 52nd ave., Cicero, Ill., 500 shares of stock, no par value. F. H. King, Thos. J. Harper, E. A. Moynihan.

Herculite Products Corp., Jersey City, N. J., \$600,000. Celluloid and composition products. Representative: U. S. Corporation Co., 15 Exchange pl., Jersey City.

M. & L. Rubber Co., 3025 Indiana ave., Chicago, Ill., \$20,000. Rubber products. W. M. Legnard, A. B. Legnard, A. E. McGregor.

Frost Corp., Wilmington, Del., \$100,000. Glass products. Corporation Trust Co. of America, du Pont Bldg., Wilmington.

Crexion Chemical Corp., Camden, N. J., \$250,000. Medicines. William B. Childers, Francis J. Barry.

Sibyl K. Shaw Corp., Troy, N. Y., \$100,000. Chemicals and drugs. S. K. Shaw, D. Gerhardt, A. Kapp. Attorney, H. J. Crawford, Albany, N. Y.

Twinkle Polish Corp., Brooklyn, N. Y., \$10,000. O. Chernoff, S. Goldberg. Attorney, N. Greenberg, 149 E. Broadway, New York.

Standard Ethyl Solvents Corp., New York, \$50,000. Chemicals and drugs. A. Sopin, B. Moskowitz. Attorney, M. Rabinowich, 244 Whitlock ave.

Sagadahoc Fertilizer Co., Bowdoinham, Me., \$150,000. Horace S. Dodge, C. L. Andrews, Bowdoinham.

## The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 32

### PRUSSIATES AND BICHROMATES LOWER

Producers Again Advance Methyl Acetone 10c Gallon—Less Forcing of Sales at Expense of Values—Tin Crystals Down—Continued Heavy Movement of Alkalies on Contract

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced  
No Advances  
Declined

Potassium Prussiate, red, 2c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	Peak	War	Pre.
Acetic Acid, Glacial...lb.	\$1.24	\$1.24	\$1.24	\$0.84	\$1.19	\$0.7	
Sulfuric Acid, 66 deg., ton	15.00	15.00	15.00	14.00	55.00	20.00	
Ammonium Sulfate, 100 lbs.	3.15	3.15	3.20	2.85	7.50	1.50	
Bleaching Powder, 100 lbs.	1.75	1.75	1.90	1.60	9.50	1.60	
Copper Sulfate, 100 lbs.	5.60	5.60	5.75	5.95	20.00	4.50	
Potash Caustic, ...lb.	.073	.073	.073	.053	.87	.08	
Soda Ash, 56 p.c., 100 lbs.	2.00	2.00	2.00	2.00	3.60	.60	
Caustic Soda, 76 p.c., 100 lbs.	3.70	3.70	3.70	3.71	9.50	1.42	
Potassium Bichromate, ...lb.	.114	.114	.114	.10	.65	.064	
Sodium Prussiate, ...lb.	.16	.16	.16	.22	1.25	.18	
Average	3.162	3.163	3.197	3.048	10.79	2.99	

Practically all the industrial chemicals moving into consuming channels, are those coming from manufacturers on contracts. Buying of spot goods or material for shipment has shown little improvement over the dullness noted for a number of weeks past. The fact that in a great many cases sellers have ceased trying to force sales at the expense of prices has brought about a more or less stationary position in values. Such changes as are being made, however, are still toward lower levels. Particularly in the case of imported materials, stocks have accumulated, and when the limited number of inquiries reported come into the market the temptation to shade prices to move stagnated stocks is noticeable. Although this happens where consumers come into the market voluntarily, sellers are not going out after business at the cut figures. Alkali producers report an active movement of supplies. Dealers are selling increasing quantities of calcium arsenate. Oxalic acid is easy at the recent cut. Some shading in prussiates is reported. Chlorine and bleaching powder are unchanged at the reductions reported last week.

**Acid Acetic**—Prices are steady at prevailing levels, with a steady movement of stocks. Makers name the schedule without change at \$3.38@\$3.63 hundred for 28 per cent in bbls.; \$6.75@\$7.00 for 56 per cent; \$8.38@\$8.63 for 70 per cent; \$12.75@\$13.53 for glacial.

**Acid Muriatic**—Not quite as much business in muri-

atic is passing, although demand is still by no means slow. Deliveries on contracts continue good. Stocks in most quarters are reported below normal. Prices steady at \$1.00@\$1.10 hundred, 18° carboys; \$1.00@\$1.10 20° tanks, \$1.25@\$1.50 carboys; \$1.75@\$2.00, 20° carboys.

**Acid Oxalic**—Makers maintain 12½clb. bbls. carlots at works, following last week's cut. Spot held at 13c@13½clb. Competition between makers and importers is still very keen, and quiet shading is reported. Position weak in the face of limited demand.

**Acid Sulfuric**—Although recent shipments of sulfuric from works have been less, reserve stocks are still low. Normal slowing down of big industrial operations during the summer is held responsible for less demand. Production active and prices strong at \$15.00@\$16.00 ton for 66°, tanks, at works. Carboys of 66° at \$1.25@\$1.50 hundred. Sixty degree at \$9.00@\$10.00 ton works in tanks, and \$1.25@\$1.75 in carboys.

**Acetone**—Firmly maintained at current levels in view of scarcity of stocks in all quarters. Stated that it will take six months to increase production. C. P. drums from makers at works, 25clb.; resale, spot, 30c@32clb. Methyl acetone advanced again and now held at 90c gal. tanks, 95c drums.

**Alums**—Domestic potash lump quiet at 4½clb. Imported moving in a small way at 3c@3½clb. Ammonia alum at \$3.50@\$3.65 hundred for domestic lump; ground, \$3.65@\$3.75. Chrome is 5½c.

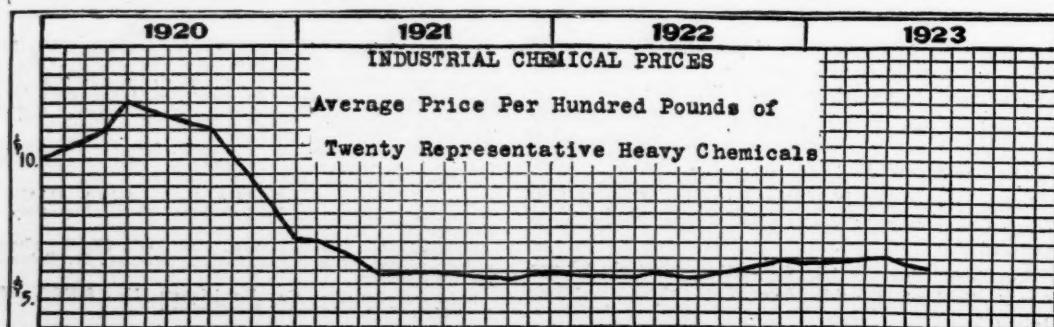
**Aluminum Sulfate**—Appears soft with quiet shading reported. Iron free at \$2.50 hundred, domestic; \$2.25 imported. Commercial quoted at \$1.40@\$1.50 carlots.

**Ammonium Chloride**—Imported white still quoted slightly easier at 6½c up to 6¾clb., as to seller. Gray is scarce at 8c@9clb. Lump, 13c@14clb.

**Arsenic**—Demand continues inactive. Consumers are taking nothing because the demand for finished insecticides is limited. Dealers are stocked up and goods are just beginning to move. Whether arsenic will go actively again this summer is a gamble. Prices are still named at 13½c@14clb. Future cheaper in the vicinity of 10c.

**Bichromates**—Prices are lower from makers at 11c lb. for potash and 8½c@8½clb. for sodium bichromate. Continued slow demand is reported responsible.

**Bleaching Powder**—The new contract level of \$1.75 hundred for bleach in drums, works, is still in effect.



Competition has practically forced most makers into line whether they would cut or not. Some still name the old figure of \$1.90. The smaller producers precipitated the fight by cutting under in competition. Production costs are no lower and the reduction is more or less artificial for this reason. With more active demand prices are expected to move up in the last quarter.

**Calcium Arsenate**—Dealers in the South are now selling, but are stocked up and calling for little from makers. Possibly this month may see further buying by Southern distributors. Price unchanged 16c@17clb. spot.

**Chlorine**—Spot 5½c up to 7c cylinders as to quantity. Contract cars at 4c@5clb. Demand quiet. In much the same position as bleach.

**Copper Sulfate**—Small lot immediate shipment business is fair, but no big buying is in evidence. Prices have apparently hardened at current levels, \$5.50@\$5.75 hundred for domestic, and \$4.87½@\$5.25 for imported.

**Potash Caustic**—Small odd lots at less than market. Leading importers refusing to shade 7½c lb. spot. Domestic maker at 9c firm and doing business at this level.

**Prussiates**—Have weakened and some shading has been noted. Red is easier at 65clb. in large casks and 68c in small. Yellow 34½c. Sodium prussiate at 14½c@15½clb.

**Soda Ash**—Steady movement on contract in carlots. Spot in routine call at \$2.00 bags, \$2.25 bbls. Makers contracts \$1.45@\$1.50 bags works cars, 58%.

**Soda Caustic**—Little moving out on export. Steady shipment on domestic business, mostly contracts. Price unchanged at \$3.16½ hundred, 76% works, solid drums, cars. Steady spot demand at \$3.30@\$3.70 as to brand, quantity, and seller.

**Sodium Cyanide**—Spot cases 45clb. unchanged. Imports last week at New York of 2,662 cases from Hamburg, Marseilles and Havre.

**Tin Salts**—Makers again reduced tin crystals during the week and now quote 32½c lb. bbls. Bichloride was lower at 11½c bbls. wks. Tin oxide is easier at 47c@48clb.

F. A. Govett, chairman Zinc Corp., London, says English zinc mines cannot compete with America, because English labor has adopted a "go slow" policy. He declared: "America can cut us to pieces and will continue until English labor understands that high wages can only be paid where high output is obtained, and drops 'go slow' policy."

Imported limestone, sufficiently pulverized to make it available for use as fertilizer, is admissible free of duty under Paragraph 1583 of the Tariff Act, according to a recent ruling of the Treasury Department.

New England fertilizer manufacturers and dealers will meet for a discussion of problems of the industry on July 11 and 12 at Connecticut Agricultural College, Storrs, Conn.

Roessler & Hasslacher Chem. Co., New York, has been appointed sole selling agents for Niagara Smelting Co., Niagara Falls, on carbon tetrachloride.

Exports of sulfuric acid in April amounted to 368,586 pounds, valued at \$9,561.

Copper sulfate exports during April were 47,010 pounds, valued at \$2,673.

Zinc oxide exports in April were 1,048,137 pounds valued at \$76,750.

## BRITISH FIX CHILEAN NITRATE PRICES SAYS U. S. AGRICULTURAL DEPARTMENT

**Charles J. Brand Finds Great Britain Has Advantage Over Americans, Although United States Is Largest User—Producers' Association Eliminates Competition**  
(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., July 3—Although the United States is the largest user of nitrate in the world, the evolution of the nitrate trade is operating to give Great Britain a strong advantage over this country, according to Charles J. Brand, marketing specialist for the Department of Agriculture, who studied the subject while visiting the principal European countries recently. Mr. Brand found that control of prices for Chilean nitrates practically rests with a London committee made up of representatives of the British nitrate houses. Nitrate Producers' Association, controlling about 97 per cent of the output, has eliminated competition which might force efficiency and economy in the production of the fertilizer, and the United States, which buys half the nitrate exported from Chile, is left without any say as to the price.

Mr. Brand reports that price fixing affords no incentive to efficient production, and thus keeps prices higher than they need be. The producers allot quantities sold to each plant in accordance with its capacity.

Nitrate Producers' Association was formed in 1919 with headquarters in Valparaiso. Its avowed object, according to Mr. Brand, is to increase consumption and fix prices. In theory the price fixing is done by a committee in Chile, but in reality by a London sub-committee, whose recommendations are almost invariably adopted. Sir Arthur Goldfinch, who was director general of raw materials of the British War Office during the war, is the present chairman, and the Chilean consul-general and charge d'affaires in London are ex-officio members.

The Producers' Association, unless continued, will expire Jan. 10 next. All the eighty-five producing companies in Chile are members, except American concerns representing 2½ per cent of the total capacity. It is the belief of the British trade that the life of the association will be extended.

The importance of the Chilean nitrate trade to the United States, Mr. Brand says, appears from the fact that its consumption for agricultural purposes alone has been as high as 300,000 tons in a single year. Total consumption by the United States last year was 733,000 tons, out of a world consumption of 1,850,000 tons. Prior to the war Germany was the largest consumer of Chilean nitrate. She was able to obtain 500,000 tons of nitrogen from the air annually, and the synthetic product made her independent of Chile. Recently, owing to the seizure of the Ruhr, the German synthetic nitrate plants have been forced to cut down their output and purchase of Chilean nitrates has been resumed.

### ARTHUR T. BEACH DEAD

Arthur T. Beach, president Abbe Engineering Co., manufacturers of grinding and pulverizing machinery, died at his home, 11 Crooke ave., Brooklyn, N. Y., on June 16, in his 61st year. His death was due to heart trouble, and was hastened by the death of his wife, which occurred on May 16. Mr. Beach was born in Hazardville, Conn., March 9, 1862, and came to New York thirty-two years ago, when he founded the Beach Russ Co. In 1912 he became president of Abbe Engineering Co. He was a prominent Mason and Shriner of Brooklyn, and a member of the Commerce Club and Brooklyn Chamber of Commerce. He is survived by three sons, who were associated in business with him.

## The Intermediate and Dye Market

Current Spot Quotations of Intermediates, see Chemicals, page 36

### SPOT PHENOL NAMED AT 40c POUND

Demand Slack—Some Sellers, Including a Maker, Refuse to Shade 50c—Fear a Squeeze—Benzene in Light Demand—Beta-naphthol Soft—Makers Hold Prices Firm

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced  
No Advances

Declined

Beta-naphthol, resale, 1c lb. Phenol, drms., open mkt., 5c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....	gal. \$27	\$27	\$30	\$30	\$1.10	\$25
Naphthalene flake .....	lb. .08	.08	.09	.07	.16	.03
Phenol .....	lb. .40	.45	.50	.12	1.50	.08
Toluene, pure .....	gal. .29	.29	.30	.30	..	..
Aniline Oil .....	lb. .16	.16	.16	.14	1.40	.10 <sup>1/2</sup>
Alpha-naphthylamine .....	lb. .35	.35	.35	.30	1.25	..
Benzaldehyde .....	lb. .75	.75	.75	.65	..	..
Betanaphthol, dist. ....	lb. .23	.23	.23	.23	1.50	.08
Dimethylaniline .....	lb. .41	.41	.41	.32	1.30	..
Paranitroaniline .....	lb. .74	.74	.74	.75	1.85	.18
Average .....	.373	.378	.283	.331	..	..

Generally dull demand with some resale quarters showing an inclination to shade prices to move their stocks, have been noted in the limited trading in coal-tar crudes and intermediates of the week past. Quotations from manufacturers show that producing circles are adhering quite strictly to schedule prices. The makers apparently pay little attention to the odd lots of outside goods which come into the market from time to time. Prices for spot phenol on the open market are lower at 40c per pound. Some big holders are refusing to shade 50c and are repeatedly turning down business at anything under this level. Some factors predict a squeeze in phenol in the near future, while others state that production is slowly but surely catching up on demand. Stocks of benzol are larger and the position slightly easier. Resale beta-naphthol is soft. Demand for aniline oil is quiet, but prices are steady. Dimethylaniline is less active. The movement of colors into consuming industries is restricted to small lots, although makers are optimistic regarding the future.

#### Coal Tar Crudes

**Benzene**—Although motor fuel consumption has been steady, the demand for manufacturing purposes has been slower of late. Increases in production have permitted some accumulation of stocks owing to the

limited quantities moving into consumption. Benzene producers quote 90 per cent material at 25c gal. in tank cars, 30c@32c gal. in drums. Pure benzene quoted unchanged at 27c up to 32c gal. as to quantity and seller.

**Cresylic Acid**—Supplies of refined grades of cresylic acid continue far below normal requirements. Stocks of the refined product are offered at \$1.10 up to \$1.20 gal. for 97 per cent pale acid. Offers of 95 per cent at \$1.05, \$1.10, and \$1.15 gal. are heard from various quarters. Active buying of either grade would soon deplete available stocks. Crude cresylic of questionable composition can be had at 75c up to 80c gal. Scarcity of refined grades will undoubtedly continue for some months as the tariff reduction will take a long time if put through by the Commission as importers desire.

**Naphthalene**—Demand continues to slide off as the buying season for flake comes to a close. Resellers are reported shading in some cases to move stocks. Spot flake is named at 8c@8<sup>1/2</sup>clb. bbls. Makers' base price 7c. Some small lots of chipped and crushed naphthalene have been bought up during the week for dye-stuff use. Steady deliveries under contract at 6c f.o.b. works. Crude is in short supply in the U. S., but this plays little part to-day owing to the lessened demand.

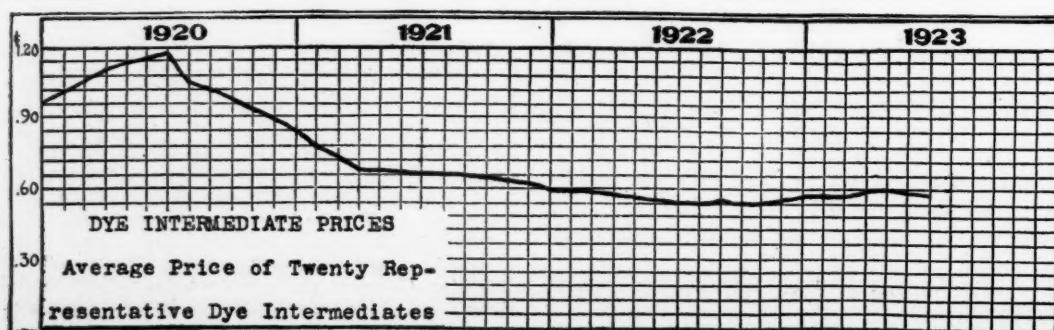
**Phenol**—Spot drums offered at 40clb. to 42c as to seller. Little or no demand at this figure as buyers apparently are afraid of the future. Can be had in lots of five and ten tons at 40c. Some holders ask 45c. Others, including one of the makers recently returned to the field, will not shade 50c for spot or future. The latter claim that there is likely to be a squeeze at any time as total stocks are still very short. Others state that dull demand will permit present and expected production to soon catch up with consumers' requirements and that prices will go under 40c before they again touch 50c.

**Pyridine**—Stocks continue scarce both here and abroad. Prices are strong at recent advance to \$4.00 gal. spot. Cost to import stated to be close to \$5.00.

**Solvent Naphtha**—Shortage of good grades of solvents still noted. Prices still named at 35c gal. tanks, 40c drums, wks. makers.

**Toluene**—Along with benzol, stocks of toluene are larger. With better supplies, demand appears to have slid off correspondingly. Quoted prices show no change, makers naming 29c gal. in tanks and 34c in drums.

**Xylene**—When a maker gets together a car of close



boiling xylene, he finds little difficulty in moving it at 75c@80cgal. Small odd lots in resale quarters are changing hands at \$1.00 gal.

#### Intermediates

**Acid, H**—Makers reported producing steadily to take care of orders already on hand. Demand for immediate shipment goods has become somewhat slower. Price makers works at 80c lb.

**Aniline Oil**—Lack of demand has tended to weaken the situation although prices show no losses either in resale or manufacturers' hands. Goods outside of makers' quarters are limited to one or two odd lots. Makers name 16c@17cbl. for drums in cars and less cars. Outside holders asking 16c. Makers delivering regularly on contracts and keeping plants running on this business.

**Aniline Salt**—Inactive with some slight accumulations reported at plants. Makers name 24c@25cbl. unchanged.

**Benzaldehyde**—Moving actively at 75c@80cbl. Stocks in makers' hands are still reduced.

**Beta-naphthol**—Although makers name 23c lb. for beta-naphthol at works, reports indicate shading of this figure by the producers. Resale lots are offered cheaper this week at 20c lb. with some factors naming 21c. Demand continues very slow with outsiders more anxious to sell.

**Dimethylaniline**—Prices are unchanged and apparently steady at 42c@43cbl. in spite of a falling off in demand during the past ten days.

**Dinitrobenzene**—Steady routine deliveries being made by producers at 19½c@20cbl.

**Nitrobenzene**—Demand is quiet. Prices hold up with makers at 9½c@10cbl. for crude, and 10c@11c for refined in drums.

**Para-nitroaniline**—Demand continues slack at prices previously noted. Makers quote 74c@75cbl. Consumers show little disposition to buy.

Use of brown coal as a fuel and for distillation for coal tar in Germany is reported by American trade commissioners. Brown coal has been used for industrial and domestic purposes in Germany for years, but owing to the abundance of higher quality fuel in the Ruhr, and in Silesia, its use was limited. Last year, chemical operations in Germany consumed 22.4 per cent of the raw brown coal produced, and 5 per cent of that which was briquetted after mining, while textile plants consumed 13.3 per cent of the raw, and 6.5 per cent of the briquetted.

National Ultramarine Co., Huntington, W. Va., recently organized, has purchased a site at North Cincinnati, O., for a plant for the manufacture of dyes. It will cost about \$200,000, including machinery. U. S. C. Anderson, Huntington district manager for the Columbia National Life Insurance Co., is president.

The superior court-martial of the French armies on the Rhine has rejected the appeal of Paul George, agricultural engineer employed in the Baden Aniline and Soda Works at Ludwigshafen, convicted of sabotage. The court confirmed the sentence of death pronounced recently by the lower tribunal.

Parisian Dye Co., Birmingham, Ala., has been organized under state laws to manufacture dyes. The company is headed by F. W. Reese and R. W. Vance, both of Birmingham.

Texdel Chemical Co., Jersey City, N. J., has leased the factory of Third River Improvement Co., Nutley, N. J., for a term of years.

#### GERMANY LOSING DYE TRADE

The export of German dyes decreased, between 1913 and 1922, from 2,617,390 to 1,527,742 metric centals, while, according to statistics available, the exports of the first three months of 1923 amounted to 364,380 centals. Comparison between the January-February returns of 1922 and 1923 shows an increase from 188,841 to 257,285 centals (cental equals 100 kilos or 220.4 lbs.), owing principally to greater purchases by Italy, Poland, China and Brazil. The following figures indicate the amounts of aniline and tar dyes exported during the first two months of this year and 1922 in metric centals:

	January-February		January-February	
	1923	1922	1923	1922
China .....	18,119	5,743	Great Britain.....	606
Italy .....	4,229	2,047	British Indies .....	6,553
Poland .....	6,120	...	United States ....	2,638
Russia .....	2,278	924		

Textile Dyeing Co. of America, with capital of \$1,000,000, was organized last week in New York. The incorporators are Robert Wyder, director and treasurer Silk Finishing Co. of America. Thomas P. deGraffenreid, attorney, 42 Broadway, Conrad Wirth and Dr. William Dursteler. A tract of 31 acres, on the Passaic River at Hawthorne, N. J., has been purchased by the directors. A fully completed plant with over 35,000 feet of floor space already stands on this property, but this will be doubled within the next four months by the expenditure of about half a million dollars. The directors are Robert Wyder, Conrad Wirth, Dr. Conrad Fruh, Dr. William Dursteler, William Emerson, Rudolph Doherr and Thomas P. deGraffenreid. Robert Wyder is president and treasurer, William Emerson, assistant treasurer, and Rudolph Doherr, secretary.

"Germans are meeting French occupation of dye works," says a London despatch to "Wall Street Journal," "by supplying formulae to Czechoslovakian factories and placing orders with them and by exchanging orders for export with works in unoccupied territory. Exports to India, China and Japan have nearly reached pre-war volume and for the early months of this year are 40 per cent above 1922. Germans are suffering more from competition with stocks seized in occupied territory, that are now being dumped in foreign markets, than from actual loss."

Outgoing shipments of coal-tar products during April, 1923, continued to be favorable. A total of \$1,098,615 was reached, which represented a gain of 33 per cent. Of this amount \$23,943 (130,762 pounds) were aniline oils and salts; \$498,421 (1,690,402 pounds) coal-tar colors, dyes, and stains; and \$6,487 (17,577 pounds) photographic chemicals. Sales of coal-tar medicinals dropped from \$90,083 (308,765 pounds) in April, 1922, to \$9,937 (16,215 pounds) in April, 1923.

Duty of 6 pence a gallon on imported benzol has been suggested by the British National Benzol Association, which would be sufficient to allow some of the plants to start production. At the present time the potential home production of benzol is 46,000,000 gallons annually, but the estimate for the present year is 17,500,000 gallons.

German Nitrate Works at Charzow, Poland, which have been idle for some time, have been granted a million zloty by the Government and have started production. It is expected that the output will find a ready market in Poland and Galicia.

Teton Gas Products Co., Midland Carbon Co., Occidental Oil and Gas Co., and Wyoming Dehydrating Co., have consolidated under name of Teton Gas Products Co., New York, with capitalization of \$300,000.

## The Oil Market

### Current Spot Quotations of Oils, Tallows, Greases, page 47

#### OIL PRICES CONTINUE UNDER PRESSURE

Fish Oils Strong, but Vegetable and Animal Oils Are Weak—China Wood Oil Firmer—Coconut and Soya Bean Oils Show Further Declines—Turpentine Drops—No Buying

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

##### Advanced Chinawood Oil, 3/4 lb.

##### Declined

Coconut Oil, Ceylon, 3/4 lb. Soya Bean Oil, crd. Coast, 3/4 lb.  
Cochin, 3/4 lb. Tanks & bbls., N.Y., 3/4 lb.  
Manila, Tanks, 3/4 lb. Turpentine, Sprts., 5c gal.

##### Trend of the Market

	Last Today	Last Week	Last Month	War Year	War Peak	Pre- War
Cod Oil, N. F. ....	gal. \$.70	\$.70	\$.70	\$.56	\$.126	\$.365
Degras, American, bbl. lb.	.045	.045	.045	.04	.25	.085
Lard, No. 1. ....	gal. .79	.79	.86	.80	2.00	.92
Menhaden, crd. bbls. ....	gal. .50	.50	.55	.35	1.20	.38
Neatsfoot, 20 deg. c.t.gal.	1.25	1.25	1.25	1.80	3.45	.95
Red Oil, distilled. ....	lb. .095	.095	.104	.085	.17	.07
Stearic Acid, T.P. ....	lb. .145	.145	.145	.105	.33	.12
Coconut, Ceylon, bbls. lb.	.095	.095	.104	.084	.90	.14
Cottonseed, crude, tks. lb.	.10	.10	.094	.094	.25	.08
Linseed, carlots. ....	gal. 1.12	1.12	1.14	.86	1.88	.57
Olive, denatured. ....	gal. 1.15	1.15	1.17	1.12	4.50	1.05
Peanut, refined. ....	lb. .165	.165	.164	.134	.30	.08
Soya Bean, bbls. lb.	.12	.125	.134	.112	.19	.07
Average	.....	0.483	0.484	0.498	0.476	1.30
						0.362

Pressure on prices, particularly among the vegetable oils, continues to characterize the market for fixed oils. Trading shows little or no evidence of expanding. Although, there are a number of cheap items in the market to-day, buyers are afraid to cover for anything beyond immediate requirements owing to the continued downward trend to prices. The fact that consumers are holding off also has its effect in helping to force down quotations. Judging by comparative quotations, the New York market is not only cheaper than other markets in the United States but most goods are still being offered below replacement cost. This condition, it is believed, cannot last more than a few weeks. At the same time, prices are so low that any buying will cause an upward swing out of proportion to its relative importance, according to the trade.

#### Vegetable Oils

**Castor Oil**—Reported in steady routine demand at schedule prices, 14½c@15c lb. for No. 1 in bbls. Cases at 15½c. No. 3 oil unchanged at 14c lb.

**Chinawood Oil**—Sales of spot Chinawood oil have been reported at 26½c lb. bbls. N. Y. This is 3/4c

higher than previous figures, and follows a decline of two weeks ago. Consumers are not buying, and the sale was between dealers, which is an indication of the firmer statistical position. Reports from the Orient, say stocks there are comparatively bare. Predictions are for a runaway American market if there is any buying here.

**Coconut Oil**—Practically all grades of coconut oil have slid off further during the week past. Imports of 1,676 tons of oil in bulk from Manila were noted last week at New York. This quantity did not help the position of the market any. Demand is stagnant with buyers refusing to be tempted by apparently low figures. Ceylon spot bbls. at 9½c; tanks 8½c lb. Manila oil tanks Coast 8c lb.

**Corn Oil**—Both manufacture and consumption are below normal. Prices are unchanged at 9½c@9¾c lb. crude f.o.b. mills; refined 13½c mills.

**Cottonseed Oil**—Dullness continues with trading sluggish. July tenders of 5,000 bbls. put out late last week had been discounted by traders and made only a slight impression. Prime summer yellow oil easy at 11½c lb. spot, July-August, 11c. Situation generally dull and bearish factors predominating.

**Linseed Oil**—Most of the goods moving are on old contracts. New buying is apathetic. Consumers display little interest. Prices, however, are apparently steady. Imports of 800 tons of oil in bulk and 658 bbls. were noted last week at New York. Crushers' schedule \$1.12 gal. Doing \$1.08@\$1.10. July delivery \$1.06, August \$1.05, Sept. \$1.04. Advance information on Government flax acreage report believed to have accounted for recent bearish tendencies of seed prices.

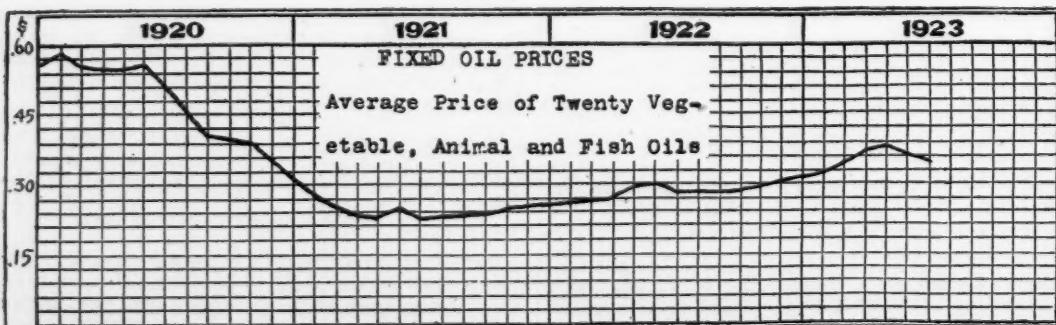
**Olive Oil**—Denatured variously heard at \$1.10 and \$1.15 gallon as to seller. Demand dull. Fooths at 7½c lb. spot.

**Soya Bean Oil**—Bean oil is very weak. Prices are again lower on spot and Coast. Demand is at a minimum and holders of large parcels in various positions are attempting to force sales. Crude in tanks on Coast at 9½c lb. Crude tanks in New York down to 9¼c lb. bbls. New York 12c. Imports at N. Y. last week amounted to 791 tons from Dairen.

#### Animal Oils

**Lard Oil**—Easy and quiet at 12c for winter to 10c for a No. 2 grade. Edible 14½c lb.

**Oleo Oil**—Small routine inquiry with prices station-



ary at 11½c lb. for No. 1, 10½c for No. 2; 9½c for No. 3.

**Red Oil**—Such small buying as is apparent, is strictly from hand to mouth. Stocks are reported large. Price cars wks. 9½c.

**Stearic Acid**—Steady absorption of triple pressed stearic at 14½c lb. Double and single pressed easy at 13c and 12½c lb. respectively.

**Tallow**—Accumulated stocks tend to depress prices and hold market soft. City extra 6½c. Edible 8½c lb

#### Fish Oils

**Cod Oil**—Stocks and sales are about balanced. Both are small. Prices hold firm at 68c@70c gal. for domestic and 70c for Newfoundland oil. Mostly small odd lots changing hands.

**Menhaden Oil**—Lack of help on the banks still prevents production from catching up with demand although recent yields of oil have been comparatively good. Prices strongly maintained at 48c@50c gal. for crude oil, buyers' tanks, f.o.b. plants. All grades of refined in small stock. Light strained 80c gal.

#### Naval Stores

**Rosin**—Restricted buying is noted. Prices are steady and unchanged at \$5.85 for B; \$5.90 for D-G; \$5.95 H-K; \$6.00 M; \$6.25 N; \$6.50 WG; \$7.50 WW.

**Turpentine**—Buying has been very limited and prices have dropped off as a consequence. New York named down to 95c gal. bbls. Savannah and Jacksonville both reported prices down to 88½c with business stagnant.

#### WOOD OIL SHIPMENTS EXCEED 1922

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 3—During the first four months of the present year there was a large increase in exports of South China wood oil from Hongkong to the United States, according to Commercial Attaché Arnold. The declared exports by months were:

	Pounds	Value (gold)
January .....	345,420	\$31,138
February .....	604,200	56,238
March .....	450,000	52,424
April .....	616,400	74,057
Totals .....	2,016,020	\$213,857

The exports for the four months have exceeded those of the entire year 1922, which were 1,709,407 pounds, valued at \$184,803. The situation in the wood oil market in South China is very uncertain, due to the revolution in the provinces of Kwangtung and Kwangsi, and illegal exactions of provincial and military authorities.

#### AMERICAN COTTON OIL CUTS EXPENSES

Randolph Catlin has been elected secretary-treasurer of American Cotton Oil Co., in place of W. S. Reed, resigned. W. J. Cassidy, vice president, and Edward Canfield, Jr., assistant to the president, also have resigned, but their places will not be filled at present. Plans for capital adjustment will not be taken up until Fall.

George K. Morrow, recently elected president, has worked out economies which will save the company \$1,000,000 annually. Duplications of selling forces have been eliminated, and personnel cut from 135 to 90. N. K. Fairbanks Co., a subsidiary, manufactures among other things the "Gold Dust Twins" washing powder and "Fairy Soap," which will undoubtedly be the main factors in future operations.

#### AGRICULTURAL CHEMICAL CO. ACCUSED OF SEEKING MONOPOLY IN OILS

Edward T. Murphy, Medford, Mass., Makes Specific Charges in Answer to Suit Brought by American Agricultural to Recover Profits of Companies Claimed as Subsidiaries—Trade Commission Investigating

(Special to DRUG & CHEMICAL MARKETS)

Boston, Mass., July 3—Edward T. Murphy, of Medford, in an answer filed in the Suffolk Superior Court in a suit in which he is named co-defendant, charges American Agricultural Chemical Co. and its subsidiaries with being an association or combination of corporations in the form of a trust which, in violation of the acts of Congress and of the laws of the several states, has entered into a conspiracy to restrain trade and commerce in fats, bones, and offal from market and butcher shops, and edible and non-edible oils, tallow and other food products and necessities of life manufactured from the raw materials.

Frederic H. Chase and Frank H. Stewart, on behalf of Murphy, charge that the methods by which this alleged monopoly of trade is carried on is by secret agreements and "otherwise limiting and reducing the price both of the raw material and manufactured products, fixing the price to the buyer and seller, limiting, stifling and preventing competition." The monopoly is said to be practised principally in Massachusetts, Michigan, New Jersey and Pennsylvania.

In consequence of this alleged illegal combination, Murphy claims, the "free pursuit of the trade and occupations of dealing in such materials and rendering the by-products into articles of common use is restrained and prevented." Murphy sets up that almost immediately after he acquired the business of Joseph Funke Co., Detroit, American Agricultural Chemical Co. and its subsidiaries, Eastern Oil and Rendering Co., Boston; Brown Co., Inc., Philadelphia, and Millenbach Bros. Co., Detroit, "by reason of their ability through combination" and the other means alleged to be employed to "control the market and enhance prices in Detroit, radically advanced the price of the manufactured article to the consuming public."

Murphy asserts that in consequence of his independent attitude in the matter, the chemical company and its subsidiaries have jointly brought suits against him in New Jersey and Michigan, similar to the one brought in Massachusetts, in an attempt to use the law and its machinery to intimidate the defendant, and to wreck the businesses owned by Murphy.

American Agricultural Chemical Co. and its subsidiaries, through Choate, Hall & Stewart, brought suit in equity against Murphy and Hugh J. Robertson, of Newton, for an accounting of assets and profits of the subsidiaries alleged to have been diverted to themselves and others. The chemical company charges that Murphy and Robertson used three companies—Coolidge Corner Market, Inc., Co-operative Rendering Co., and Eagan Co., Roslindale—to divert assets and profits belonging to the three plaintiff subsidiaries to themselves and to others by means of a fraudulent plan and conspiracy when they were in positions of trust and confidence.

Federal Trade Commission in 1918 issued an order relating to the business operations of the plaintiff companies, and the investigation will now be pushed by the Commission which will bring out the facts.

Brown Co., Portland, Me., has purchased 60,000 acres of Florida land which will be drained and improved at a total cost of \$1,000,000, to raise peanuts for oil.

## The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 36

### PRODUCERS' ADVANCE ALCOHOL PRICES

Pure and Denatured Quotations Moved Up—Forty Cent Salicylic Acid Available—Tartaric Acid Sales Reported Large—Cream Tartar Easier—Amidopyrine Lower—Menthol Firm Though Quiet

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Declined
Atropine Sulfate, \$1.00 oz.		
Amidopyrine, 25c lb.		
Mercury, 50c flask		
Potassium Permanganate, ½c lb.		

	Trend of the Market					Pre-War
	Today	Last Week	Last Month	Last Year	Peak	
Acetanilid .....	\$ .32	\$ .32	\$ .32	\$ .30	\$2.00	\$ .26
Acid, Citric, Import .....	.52	.52	.52	.44½	1.25	.45
Caffeine Alkaloid .....	3.75	3.75	3.75	3.75	18.00	3.65
Calomel, American .....	1.25	1.25	1.25	.94	3.43	.90
Camphor, Jap., ref. ....	.88	.88	.88	.80	3.55	.41
Jodine, Resublimed .....	4.55	4.55	4.55	4.20	5.00	3.75
Menthol .....	10.00	10.00	7.75	6.00	13.50	3.00
Potassium Bromide, Cryst. ....	.26	.26	.26	.23	4.30	.30
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.47	.47	.47	.32	4.25	.27
Strychnine Sulfate .....	.84	.84	.84	.76	2.05	.50
Average .....	2.39	2.39	1.92	1.66	5.92	1.56

An occasional large order, as well as a few substantial inquiries tended to make the medicinal chemical market a little less dull during the current week. The sharp rises in menthol and opium have made the average for June the highest for the year. With the exception of these two items, the movement of prices, where there is any movement at all, is more downward than upward. Sellers have again expressed the view that experience of the past two and a half years has shown no greater bulk of goods sold at cut prices below actual cost of import or production, than has been sold by maintaining prices at a normal level. Little change has been noted in the basic situation, demand continuing restricted principally to routine needs of seasonable items. Menthol continues to attract considerable attention. Imported bromides and potash permanganate have been in small demand. Codliver oil is easier both here and abroad. Alcohol demand is active.

**Acetanilid**—Makers report demand light at 32c@\$35clb. spot for U. S. P. in barrels, as to manufacturer.

**Acid, Acetylsalicylic**—Small amount of goods reported to be moving at 95c@\$1.05lb. spot, as to seller, and resales offered at 90c@92clb. spot.

**Acid, Citric**—Generally quoted at 52c@53clb. spot for imported, with limited supplies available at 51½clb. spot. Demand in Europe is reported to be less than was expected. Shipment prices are holding well in spite of reported better supply. Consumption on spot is first heavy, then light. Domestic makers quoting 49clb. for crystals in barrels to regular customers. Last week saw 300 casks entered at New York. During past week 200 cases of citrate of magnesia were imported at New York.

**Acid, Salicylic**—As far as is generally known, the inquiry for 40,000 pounds of acid has not been filled. There is some 40c material available, but cannot be used, as the specifications of the inquiry state PJ-4 and not U. S. P. Cheaper acid will be in better supply when larger quantities of phenol reach the market. The trade thinks that makers will not be so anxious to keep material out of speculators' hands if the amount of 40c stuff becomes too abundant. Makers quote 40c@50clb. spot.

**Acid, Tartaric**—Sales of imported material last week were known to have been at least 25 tons. A number of sources reported a firmer market. Last week 1,020 casks were entered at New York. Imported quoted at 35½c@36clb. spot, and domestic at 37½clb. spot. Last week saw 1,726 casks "crude" entered at New York.

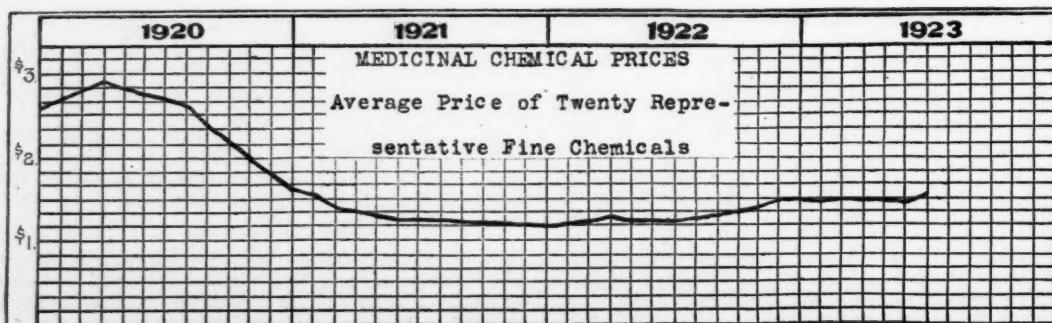
**Alcohol**—A leading maker has advanced pure alcohol, all grades of completely and specially denatured alcohol 3c gal, effective as of July 1. Other manufacturers are expected to follow. New prices are as follows: U.S.P. 190 pf., \$4.78@\$4.83gal., completely denatured, No. 1, 41c@43cgal. in drums, and specially denatured, No. 1, 38c@40cgal. spot in drums. Reports are heard that in the near future one of the alcohol companies is going to increase present capacity to 20,000 gallons per day.

**Amidopyrine**—Has declined and now quoted at \$5.25 @ \$6.00lb. spot, owing to better supply and slightly less demand.

**Antipyrine**—Quoted at \$3.00@\$3.25lb. spot, as to seller. Demand is said to have eased off.

**Atropine Sulfate**—Has advanced and now quoted at \$4.00@\$4.17oz. spot, as to quantity, owing to higher import cost and lessened competition.

**Bromides**—Imported generally considered to be easy due to small demand and fairly large accumulation of stocks. Prices probably could be shaded on import



business. London reports an easier market. Imported ammonium, potassium and sodium quoted at 18c, 19c, and 20c/lb. spot, respectively. Domestic unchanged at 33c for ammonium, 26c for potassium, and 25c/lb. spot for sodium.

**Camphor**—Demand has been active at 88c/lb. spot for 2½lb. Japanese slabs. American quoted at 96c/lb. spot for barrels.

**Cod Liver Oil**—Market appears slightly easier at \$25.00@\$26.00/bbl. spot, and shipment at \$23.50 c.i.f. The catch reported thus far is ahead of last year's by about 700,000 pieces of cod. During past week 1,110 barrels were entered at New York. Whether or not spot prices will break remains to be seen, depending on how much is "sold to arrive."

**Cream Tartar**—Spot market is easier at 25c@25½clb. owing to better supplies. Shipment is named at 24clb. or less, laid down in New York. During past week 33 casks were imported at New York. Demand in Spain and Italy has been less than expected.

**Formaldehyde**—Demand has eased off, though unchanged at 14½clb. for U. S. P. in barrels at works, with possibility of shading this figure on important business. Resales named at 14½clb. spot.

**Glycerin**—The lessened consumption of C. P. material by cigarette makers is reported due to fast turn over of stock, thereby making a small amount of stuff go a long way. Quoted at 16½clb. in drums, with possibility of shading this figure. Dynamite quoted easy at 14½clb. in drums.

**Menthol**—Spot held at \$10.00/lb. for cases. Small amount of material is changing hands at the moment. July-August shipment named at \$9.50/lb. c.i.f. London is quoting 39s 6d. Exports for March amounted to 205 piculs, valued at 357,376 yen.

**Mercury**—Spot quoted at \$67.50@\$68.00 flask. London is easier at £10 10s. Sales amounting to 300 flasks were reported recently. Reported sales in Spain for January were 12,793 flasks, valued at 3,304,599 pesetas; for February, 3,769 flasks, valued at 1,642,210 pesetas, and for March, 9,085 flasks, valued at 2,264,414 pesetas. During past week 180 flasks were imported at New York.

**Potassium Permanganate**—Has declined and now quoted at 16½@18½clb. spot, as to seller, owing to accumulation of stocks. Last week saw 100 drums entered at New York.

#### NEW ALCOHOL FORMULAS ISSUED

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., July 3—David H. Blair, Commissioner of Internal Revenue, has sent an announcement to collectors in connection with the modification of Specially Denatured Alcohol Formula No. 3-B and also in connection with a new denatured alcohol formula to be known as No. 4-A. The modified denatured formula is effective thirty days from date and reads: "To every 100 gallons of pure ethyl alcohol add 1 gallon of pine tar (Piz Liquida U.S.P.)."

The following formula, to be known as Specially Denatured Alcohol Formula No. 4-A, is hereby authorized for use in the manufacture of fungicides, insecticides, deodorants, and substances of a similar nature: To every 100 gallons of ethyl alcohol add 0.5 gallon benzol and 1 gallon of the following solution: Five gallons of an aqueous solution containing 40 per cent nicotine 0.4 pound acid, yellow dye (fast Yellow Y) 0.4 pound tetrazo brilliant blue, 12 B. Conct. Water to make 100 gallons. For benzol specifications see Specially Denatured Alcohol, Formula No. 2-B. For Analytical requirements for denaturants in the above solution, see Specially Denatured Alcohol Formula No. 4.

#### IODINE SYNDICATE'S METHODS CRITICISED

The Iodine Commission appointed by the Minister of Commerce of Chile, in 1921, reports that Chile could produce annually about 30,000 tons of iodine as a by-product of the nitrate industry, whereas the amount exported varied from 473 tons in 1914, to 907 tons in 1918. The agreement between the Chilean Iodine Syndicate and the nitrate manufacturers, according to "London Chemist and Druggist" required the nitrate manufacturers to deliver a fixed amount of iodine, varying as to the importance of the plant, and any iodine obtained in excess of this quantity was not utilized, the object being, it was stated, to keep up the price of iodine by limiting the output. However, this had led to an increased utilization by several countries of seaweed as a source of supply of iodine, the amount produced in this way averaging 500 tons per annum.

The world's requirements of iodine amount to 1,500 tons. A decrease in the price of this chemical would enable it to be more extensively used for industrial purposes, and, in addition, the profit realized from the larger sales of this valuable by-product would appreciably reduce the cost of production of nitrate, besides contributing in a larger measure to the country's revenue, owing to the greater yield of the export tax (1.27 gold pesos per kilo of iodine), which now, on exports amounting to 850 tons of iodine, brings in about 1,000,000 gold pesos.

Statistics of Chilean exports of iodine have been issued, one set of figures emanating from the Central Statistical Bureau and giving the amounts sold, while the other figures supplied by the Iodine Syndicate give the amounts actually placed on board ship:

	Sold tons	Shipped tons	Sold tons	Shipped tons
1912 ....	458	466	1918 ....	823
1913 ....	436	464	1919 ....	505
1914 ....	488	473	1920 ....	350
1915 ....	708	760	1921 ....	534
1916 ....	1,323	1,381	1922	488
1917 ....	759	734	Jan.-June ...	188

The following countries are chief purchasers of Chilean iodine (amounts in tons):

	1912	1917	1920
Belgium .....	10	...	...
France .....	...	30	15
Germany .....	238	...	19
Great Britain .....	54	482	196
United States .....	154	246	118

#### FEDERAL CHEMICAL CO. MAKING ALCOHOL

Federal Chemical Co., of Nitro, located at Nitro, W. Va., has begun the production of alcohol with an output of 5,000 gallons daily, to be increased as soon as possible to 20,000 gallons daily. The company has sold a large part of the production for some time ahead. Samuel Stern is president; George M. Appell is in charge of operations, and B. Wellman is in charge of sales.

Harry B. Miles, well known in the trade in Baltimore for a number of years, is now sales representative for the Monsanto Chemical Works, in the eastern section of the United States.

R. G. McGrew, treasurer and general manager, E. C. DeWitt & Co., Chicago, was drowned while bathing Saturday, June 23.

Chicago Drug and Chemical Association planned a Christmas banquet at a meeting held June 29.

Pharmaceutical preparations exported in April were valued at \$1,635,000.

## The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 51

### ZANZIBAR CLOVES ADVANCED AGAIN

Probably Due to Speculation on Crop Returns—Tolu Balsam Scarce and Closely Held—Agar Agar Shipment Firmer—Buchu Leaves Slightly Off—Insect Powder Demand Light—Generally Quiet

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

		Advanced					
Calisaya Bark, 2c lb.		Ginger, African, $\frac{1}{4}$ lb.					
Cloves, Zanzibar, $1\frac{1}{2}$ c. lb.		Ipecac Root, Cartagena, 5c lb.					
Dandelion Root, 1c lb.		Mandrake Root, 1c lb.					
		Declined					
Balsam, Oregon Fir, 15c gal.		Golden Seal Root, 20c lb.					
Bayberry Wax, 4c lb.		Henna Leaves, Powd., 1c lb.					
Buchu Leaves, 5c lb.		Insect Powder, 4c lb.					
Ergot, 1c lb.		Lycopodium, 2c lb.					
		Saffron Flowers, Am., 7c lb.					

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$38	\$38	\$38	\$21	\$90	\$12
Buchu Leaves, Short.	.90	.95	.95	1.10	4.00	.85
Cantharides, Russian	1.75	1.75	1.75	5.00	9.00	2.10
Cocculus Indicus	.03%	.03%	.03%	.04%	.85	.03
Ergot, Spanish	.51	.52	.52	1.05	4.50	.54
Insect Powder, pure	.60	.65	.67	.53	1.00	.28
Ipecac, Cartagena, powd.	1.90	1.90	1.90	1.90	4.50	1.35
Nux Vomica	.06%	.06%	.06%	.06	.14%	.07
Opium, gum	8.00	8.00	8.00	6.00	30.00	5.00
Rhubarb Root, H. D.	.43	.43	.43	.55	1.75	.15
Tragacanth, No. 1, ribbon.	1.52	1.52	1.52	1.80	6.00	1.50
Wild Cherry Bk., thin nat.	.10%	.10%	.10	.09	.21	.07
Average	1.35	1.36	1.36	1.52	5.28	1.00

Although a few scarcities on spot continue to force some items upward, midsummer dullness is making itself felt by the general slowing down of all buying. A few new crop arrivals here have weakened prices of some items, but not to any great extent. Very little business was reported the last part of the current week owing to the holiday. Demand continues confined to small quantities and is very spotty, lack of sustained inquiry being the chief factor in keeping the market dull. The usual seasonal report has been received from the primary markets in regard to the high cost of collection of crude drugs, and also scarcity of a number of items. June has been somewhat dull, and July is predicted to be duller, by some factors in the trade. Tolu balsam, cloves, dandelion root, African ginger, and kousso flowers are firmer. Buchu leaves, insect powder, lycopodium, and American saffron flowers are easier.

Aconite Root—Unchanged and in good supply at 38c @40clb. spot for U.S.P.

Agar Agar—Stocks have accumulated somewhat under light demand. Quoted at \$1.45 lb. spot for No. 1 down to \$1.30 lb. for No. 3 spot. Trade looks for higher prices as soon as distressed lots are taken off market, as shipment is named substantially higher. Cables from London state higher market there.

Aloes—Barbadoes have been in light demand at 65c @70clb. spot. Cape are in good supply at 9c@10clb. spot. Curacao quoted at 8c@8½clb. spot with possibility of shading this figure.

Althea Root—Cuts quoted firm and scarce at 20c@22clb. spot with nearly all supplies concentrated into one hand.

Aniseed—Levant unchanged at 17c@17½clb. spot. Stocks of Star are quoted plentiful at 14c@15clb. spot with possibility of shading this price. A lot here and there of Spanish quoted at 27c@28clb. spot with tendency to be firm.

Arabic Gum—Amber sorts is reported to be in good supply at 14½c@14¾clb. spot with tendency toward easier market.

Balm Gilead Buds—Has firmed up slightly at 42c@44clb. spot owing to higher quotations in primary market.

Balsams—Canadian Fir quoted firm at \$13.00@\$14.00 gal. spot. Oregon Fir quoted in better supply at \$3.25 @ \$3.40 gal. spot. Peru unchanged at \$1.75@\$1.80lb. spot. Reports are coming from primary market that exporters are having labor difficulties in collection of Tolu. Very little is coming through, and some houses on spot are asking as high as \$1.80 lb., but small supplies are still available at \$1.25@\$1.35lb. spot. Cables from London state higher market there.

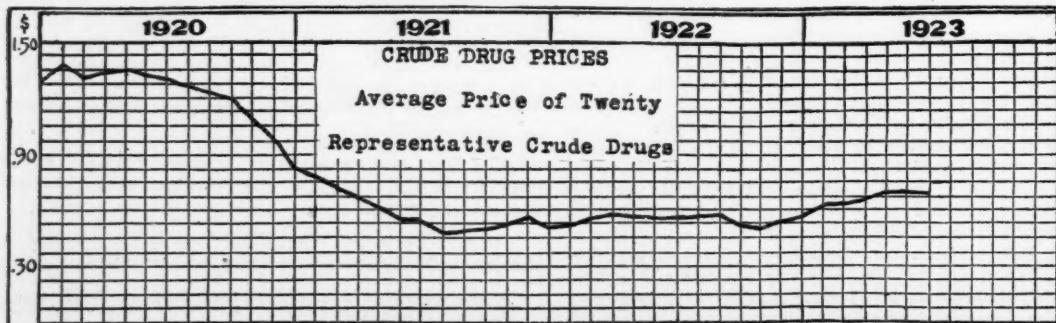
Bayberry Bark Wax—Has eased off and now quoted at 28c@30clb. spot.

Blackhaw Bark—Root quoted at 38c@40clb. spot with tendency to be scarce.

Buchu Leaves—Spot position is lower at 90c@95clb. spot with possibility of easier figures due to large stocks and small demand. Less than bales quoted at \$1.00@\$1.05lb. spot. During past week 5 bales were entered at New York.

Calisaya Bark—Has advanced and now quoted at 22c @23clb. spot.

Cascara Sagrada—Demand has been light at 14c and 15c lb. spot for 1922 and 1921, respectively.



**Chamomile Flowers**—Roman quoted scarce and closely held at \$1.75 lb. spot inside. Hungarian in good supply at 13c@13½clb. spot.

**Cinchona Bark**—Broken quoted firm at 24c@26clb. spot, and quills at 55c@60clb. spot.

**Cloves**—Zanzibar has advanced again and now quoted at 30c@31clb. spot with tendency for higher figures. While demand is only in a jobbing way, prices are held firm owing to higher shipment figures. London cables state higher market.

**Cohosh Root**—Black quoted firm at 9c@9½clb. spot, and blue is tightly held at 18c@19clb. spot.

**Cubeb Berries**—Rumors are heard that this item is in line for an advance owing to strength in primary market, according to reports in trade. Quoted at 82c@85clb. spot for XX.

**Dandelion Root**—Has advanced and now quoted at 16c@17clb. spot.

**Ergot**—Has eased off slightly and now quoted at 51c@55clb. spot.

**Ginger**—African has firmed up and now best inside price is 13½c@14clb. spot. All other grades unchanged.

**Golden Seal Root**—Quoted lower though firm at \$3.30@\$3.55lb. spot for whole, and \$3.60@\$3.85lb. spot for ground.

**Insect Powder**—Spot market has eased off and now quoted at 60c@64clb. as to seller.

**Ipecac Root**—Cartagena has advanced and now quoted at \$1.75@\$1.80lb. spot inside.

**Saffron Flowers**—American quoted lower at \$1.08@\$1.15lb. spot, and Spanish at \$40.50@\$41.00lb. spot.

**Senna**—Half leaves quoted at 17c@20clb. spot. While siftings are now quoted at 11c@12clb. spot, the tendency is toward easier figures. During past week 390 bales were entered at New York from Egypt.

**Vanilla Beans**—Mexican whole unchanged at \$8.50@\$11.00lb. spot, and cuts at \$6.00@\$6.50lb. spot. During past week 54 cases of Mexicans and 320 cases Bourbons were imported at New York. Bourbons quoted at \$4.50@\$4.75lb. spot.

#### JOHN POWELL FORMS NEW DRUG COMPANY

John Powell, formerly salesmanager for Arthur Stallman & Co., New York crude drug importers, and who recently severed connections with this firm, has started a new company under the name of John Powell & Co. Offices are located in the Dodge Building, 53 Park Place, New York; telephone Barclay 5279. The new company will specialize in insect powder and other imported botanical drugs. As soon as arrangements have been completed, it is planned to establish a mill exclusively for the production of insect powder in the metropolitan district.

#### KAURI EXPORTS EXCEED PRODUCTION

Exports of kauri gum from Auckland, New Zealand, during April, 1923, amounted to 685 tons, valued at £66,367. Of this, 279 tons went to the United Kingdom and 406 to the U. S., according to advices received by George H. Lincks, New York importer. Compared to these exports, production was small, amounting to 480 tons in April, and 613 during May. Stocks in New Zealand are decreasing as a result of the heavy exports and retarded production.

Excelsior Pharmacal Co., Inc., with capital stock of \$100,000, has been organized in Baltimore, by Dr. John J. Valentini, Dr. Joseph L. Valentini and Robert R. Gore. Headquarters of the company are at 114 South Broadway.

#### Of Interest in the Trade

Quinine sulfate exports in April were 22,000 ounces, valued at \$12,781.

Butyl alcohol, amounting to 66 cases, was imported last week at New York.

Exports of acetic acid in April amounted to 107,766 pounds, valued at \$13,731.

Exports of acetate of lime in April were 4,448,824 pounds, valued at \$156,708.

Durex Chemical Corp., New York, has moved to larger quarters at 160 Front st.

Exports of wood alcohol and denatured alcohol during April were 81,085 gallons valued at \$116,623.

O. C. Martin, formerly works manager for Nichols Copper Co., Laurel Hill, N. Y., has taken position as manager of the Perth Amboy refinery of American Smelting & Refining Co.

Menthol production for 1922 is reported to be 6,000 cases and present carry-over to be 2,300 cases, making a total of 8,300 cases, according to United States Commercial Attaché in Kobe.

Falk Company, Pittsburgh, Pa., announce the appointment of W. G. Rogers, 150 Nassau st., as their New York sales agent. Mr. Rogers was formerly manager of the Cincinnati office of Marden, Orth & Hastings Co., and was later in charge of the oil department with headquarters at New York.

Gum mastic is sharply higher in price in New York as a result of a 90c shipment price from Chios, following a decree by the Greek Government that all export prices shall be quoted relatively on a basis of the normal value of the drachma instead of its depreciated value. From 44c prices here have jumped up to 68c, and a market over 70c is looked for.

Prohibition Commissioner Haynes announces that all applications for the renewal for the year 1924 of permits for handling alcohol which expire Dec. 31, 1923, must be filed during July, and August, which is two months earlier than heretofore. Applications not filed by Sept. 1, he stated, may be filed only by special consent up to Nov. 30, after which date no application for renewal may be filed.

F. W. McSparren, U. S. Tariff Commission representative, recently returned from Argentina after a six weeks investigation of production costs in casein manufacture. In view of an appeal from the American coated paper industry for a lower rate of duty on casein, reports from Washington indicate that this may be one of the first products to receive consideration on an appeal for change of tariff rate by the Tariff Commission.

United States imports of arrowroot, cassava, sago, and tapioca during 1922 were 96,076,000 pounds, compared with 54,612,000 pounds in 1921; castor beans, 81,673,000 pounds, valued at \$2,409,000, compared with 36,565,000 pounds in 1921; licorice root, 56,129,000 pounds, valued at \$2,215,000, compared with 53,550,000 pounds in 1921; almonds, 29,446,000 pounds, compared with 25,276,000 pounds in 1921, and spices, 99,517,000 pounds, compared with 64,390,000 pounds in 1921, an increase in value of 48 per cent.

## The Essential Oil Market

### Current Spot Quotations of Essential Oils, page 53, Aromatic Chemicals, page 54

#### OIL ORANGE ADVANCED AGAIN ON SPOT

Range Now \$3.90@\$4.50lb. as to Seller—**Oil Anise Easier**—Arrivals of Oil Cassia on Spot—Conflicting Reports on Citronella—**Oil Lemon** in Good Supply—Inquiries More Numerous

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

**Advanced**  
Oil Geranium, Bourbon, 25c lb. Oil Petit Grain, S. Am., 10c lb.  
Oil Orange, Italian, 15c lb. Oil Wormseed, 25c lb.  
American, 50c lb.

**Declined**  
Oil Almond, Bitter, U.S.P., 25c lb. Oil Hemlock, 10c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.60	\$2.60	\$2.60	\$4.20	\$7.00	\$5.00
Oil Citronella, Ceylon	.70	.70	.70	.55	.92	.60
Oil Cloves	1.95	1.95	1.75	1.95	3.70	1.40
Oil Lemon Italian	.80	.77	.77	.60	1.70	2.00
Oil Peppermint, Nat.	2.65	2.65	2.65	2.00	9.00	8.25
Oil Sandalwood, E. I.	7.70	7.75	7.75	7.10	13.00	5.25
Oil Sassafras, Artif.	.45	.45	.45	.45	1.00	.25
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin	4.50	4.50	4.80	3.00	31.00	3.10
Methyl Salicylate, Cans.	.57	.57	.57	.35	1.00	.90
Vanillin	.41	.41	.40	.50	.95	.25
Average	2.17	2.17	2.13	2.00	6.83	2.05

The general run of business during the week in the essential oil trade has been rather restricted. However, some quarters say inquiries have been more numerous, and in all probability orders would result in a fair percentage of them. The general undertone appears to be strong. The potential buying power in a number of items seems to be large, and it remains only a question of time, the trade thinks, when larger orders will come into the market. The development of a few spot scarcities, combined with one or two cables at higher figures, supplied the bullish element to the market. Opinions differ in regard to citronella, some say that practically no oil has been imported for some time past, thereby causing small stocks on spot, while others say that there are ample goods to take care of all demand. The rapid rise of oil orange still holds the centre of attention. One quarter predicts peppermint at \$1.00 lb. in the near future. The country is asking \$10.00 lb. for oil wormseed.

#### Essential Oils

**Oil Almond**—Both bitter U.S.P. and FFPA have declined and now quoted at \$3.50@\$3.75lb. spot each owing to stocks being in better supply.

**Oil Anise**—U. S. P. generally quoted at 52½@\$55clb.

spot with some directions quoting 51clb. Technical quoted easy at 45c@\$50clb. spot. During past week 6 drums were entered at New York.

**Oil Bergamot**—As soon as demand becomes more pronounced, it is thought in the trade that this item will firm up owing to high replacement costs. Now quoted at \$2.60@\$2.70lb. spot for coppers. Last week saw 80 cases entered at New York.

**Oil Bois de Rose**—Good quality scarce and firm at \$2.50@\$2.65lb. spot with tendency for higher figures.

**Oil Caraway**—Generally quoted at \$7.25@\$7.50lb. spot with some houses naming \$7.00 lb. The statement that new goods have been received on spot was emphatically denied by one house.

**Oil Cassia**—Redistilled firm and scarce at \$3.00@\$3.10lb. spot. Reports are heard that there is practically no oil coming out of primary market. The shipment of 30 cases received last week at New York from China will in all probability go direct into consumption.

**Oil Citronella**—One factor states that spot goods are low due to very little being entered recently, while another house says that there is sufficient oil on spot to absorb all orders for some time to come. Ceylon quoted at 70c@71clb. for drums with reports of some houses inside at 72clb. spot. If rainy days are in the majority, the trade is of opinion that demand will increase considerably. Java is held at 85c@87½clb. spot as to quantity. During past week 10 drums of Java were imported at New York.

**Oil Cloves**—Firm and scarce at \$1.95@\$2.00lb. spot with possibility of higher figures owing to strength of spice.

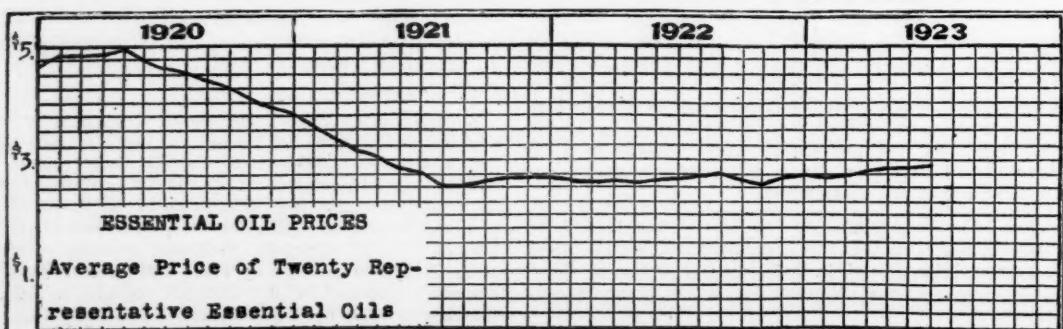
**Oil Geranium**—Bourbon has advanced and now quoted at \$6.75@\$7.00lb. spot owing to higher shipment figures. African unchanged at \$8.00@\$8.50lb. spot.

**Oil Hemlock**—Has declined and now quoted at \$1.25@\$1.30lb. spot owing to larger supplies coming from country.

**Oil Lemon**—The damage done by the eruption of Mt. Etna was not as severe as was expected. Spot quoted in fair supply at 80c@90clb. as to quantity and seller. During past week 109 cases Italian were imported at New York. American unchanged at 75c@80clb. spot.

**Oil Lemongrass**—Unchanged at 80c@85clb. spot. Last week saw 10 drums entered at New York.

**Oil Orange**—Italian is still advancing and now best



price quoted is \$3.90@\$4.50lb. spot as to seller and quantity. Bitter is quoted firm at \$2.75@\$3.00lb. spot. Sweet West Indian unchanged at \$2.75@\$3.00lb. spot. During past week 50 cases of Italian were imported at New York. American has been advanced sharply and now quoted at \$3.30@\$3.40lb. spot.

**Oil Peppermint**—One quarter predicted \$1.00 lb. peppermint in the not distant future. Demand on spot is both quiet for domestic consumption and export. The usual rumors come from the country that short crop can be expected due to weather conditions, are heard. Quoted easy at \$2.65@\$2.90lb. spot.

**Oil Petit Grain**—South American quoted firmer at \$1.65@\$1.75lb. spot. Last week saw 21 cases entered at New York.

**Oil Wormseed**—The country appears to be persistent in asking \$10.00lb. While the spot market had advanced to \$7.25@\$7.50lb., the demand at the moment does not warrant anything like \$10.00 lb.

#### Aromatic Chemicals

**Benzaldehyde**—A leading maker reports that repairs are now completed and that they are able to entertain good sized orders. Quoted at \$1.50@\$1.60lb. spot for U.S.P., and \$1.75@\$1.85lb. spot for FFC.

**Coumarin**—Makers report steady business at \$4.50 lb. spot. Cheap contracts are becoming fewer. Resales quoted at \$4.25 lb. spot in limited quantities.

**Heliotropin**—Imported material is in good supply at \$2.50@\$2.75lb. spot. Domestic at \$2.00@\$2.25lb. spot.

**Methyl Salicylate**—Quoted at 55c@60clb. for drums, and 57c@60clb. spot for cases, as to seller. Demand active and resale material available at 52c lb. spot.

#### DEMAND TRIPLE ROSE PRICES IN GRASSE

O. A. Brown, president of O. A. Brown Co., importers of perfumers' raw materials, returned last week on the S.S. Paris from a six weeks trip in Europe. According to reports at Grasse, Mr. Brown stated that the Co-operative Flower Growers, a syndicate of flower growers, demanded three times the price for Roses this year over their price of last year, and they are now talking of 12 francs for the new jasmin crop. This will greatly advance the price of all derivatives. He reports business conditions in Europe to be no better than could be expected under the circumstances, and there is no probability of improvement until a satisfactory settlement is made between Germany and France. The French will undoubtedly go further into the Ruhr with the firm belief that Germany will not settle otherwise. Mr. Brown believes America and the whole world will continue to feel the reflection of this unsettled condition until a final adjustment is effected.

The Tariff Commission is understood to be preparing to enlarge its list of commodities under investigation in regard to the flexible provisions of the present tariff law. It is generally accepted that the commission will not initiate any studies of its own accord until after the President returns from Alaska.

California Almond Growers' Exchange estimates the almond crop at 10,625 tons, increase 2,125 tons over last season. There are 95,185 acres in almonds under cultivation, indicating an ultimate output in good years of 35,000 tons. At present there is no carryover of good varieties.

Richard Hudnut, perfumer, has increased his capitalization from \$500,000 to \$900,000.

Perfumery exports in April were valued at \$37,000.

#### EXTRACT MAKERS ELECT OFFICERS

(*Special to DRUG & CHEMICAL MARKETS*)

Cincinnati, O., July 3.—Flavoring Extract Manufacturers Association, in convention here, passed a resolution declaring against the passage of the Wood-Ernst bill which would make the office of Prohibition Director responsible only to the President. If the bill was adopted, it was said, it would place too much power in the hands of a single department and the result might be extremely adverse to industry in case of autocratic administration.

Appointment by the Government of an alcohol advisory board of eleven representatives from various industries was approved as a commendable step to relieve manufacturers from embarrassment in obtaining alcohol.

The following officers were re-elected: President, Gordon M. Day, Milwaukee. First vice president, R. H. Bond, Baltimore. Second vice president, F. S. Rogers, Middletown, N. Y.

Third vice president, T. W. Carman, Springfield, Ill. Secretary, W. W. Laudenslager, Philadelphia.

Treasurer, F. L. Beggs, Newark, O.

Robert E. Heekin, of Cincinnati, was elected to the executive committee.

The city in which the convention will be held next year will be decided in September, when the executive committee meets in Atlantic City, N. J.

#### BRITISH ESSENTIAL OIL TRADE INCREASES

Imports into the United Kingdom of natural essential oils (excluding turpentine) for the last four years and re-exports from United Kingdom of natural essential oils (excluding turpentine) are reported by "Perfumery and Essential Oil Record," London, as follows:

##### IMPORTS

End of	Total quantities to end of each month (lbs.)			
	1920	1921	1922	1923
January	303,591	166,979	291,820	392,775
February	531,302	305,862	545,887	685,304
March	833,341	467,752	776,855	1,024,801
April	1,195,552	575,793	996,931	1,298,678
May	1,663,491	729,092	1,245,738	1,664,224
June	2,040,098	820,574	1,506,972	
July	2,281,231	938,664	1,700,571	
August	2,535,190	1,078,111	1,956,712	
September	2,694,534	1,245,751	2,366,422	
October	2,936,293	1,478,451	2,631,595	
November	3,066,330	1,768,699	2,969,679	
December	3,182,447	2,014,325	3,244,831	

##### RE-EXPORTS

End of	Total re-shipments to end of each month (lbs.)			
	1920	1921	1922	1923
January	173,898	39,222	68,050	66,390
February	192,827	78,901	154,179	126,919
March	293,545	112,353	241,613	205,224
April	413,415	182,370	299,941	306,554
May	581,719	209,860	355,634	399,796
June	731,319	261,313	410,995	
July	802,671	311,002	490,017	
August	857,604	389,292	534,895	
September	925,597	465,297	606,288	
October	1,003,832	527,366	677,652	
November	1,061,901	627,198	744,564	
December	1,103,871	744,595	799,845	

#### BELGIAN TRADING CO EXPANDS

Belgian Trading Co., essential oils, New York, has recently acquired the Essential Oil Co., Trenton, N. J., which has a well equipped plant where the manufacture of terpineol has been carried on for several years. In the near future several other aromatic chemicals will be added. In order to serve customers better in the Mid-West, the Belgian company has established a Chicago agency under direction of Clarence Morgan & Co.

William G. Ungerer, of Ungerer & Co., essential oils, New York, will return the first part of July from an extended trip through Europe.

## The Foreign Markets

Imports of Drugs and Chemicals, page 55

### MORPHINE AND CODEINE HIGHER

Market Firmer on Codliver Oil, Balsam Tolu, Opium, Menthol and Cloves—Potassium Prussiate and Linseed Oil Lower

(*Special Cable to DRUG & CHEMICAL MARKETS*)

London, July 3—Trading in fine chemicals and crude drugs is quiet this week. Prices are higher for morphine, codeine and agar agar.

The market is firmer on codliver oil, balsam tolu, opium, menthol, and Zanzibar cloves.

Quotations are easier for sulfonal, aspirin, citric acid, and hexamine.

Potassium prussiate and linseed oil are lower.

London, June 23 (By Mail)—Board of Trade returns issued this week contain very satisfactory figures concerning overseas trade. Exports during May were the largest since January, 1921, and when it is remembered that values alone are compared and the prices generally have gone down during the past two-and-a-half years, the increase in bulk represented is really much larger than the figures indicate. For five months this year imports have increased by £46,516,262 and exports £20,179,614 compared with last year. In these surprisingly satisfactory figures there is strong ground for assuming that when once a solution is found of the reparations and German currency questions, which rule the commercial position today, we should witness a great revival of international trade.

**Oil Eucalyptus.**—A report from Australia says that distillers there are experiencing considerable difficulty owing to the dry season, supplies of water being inadequate to work the stills in the country districts. Stocks are comparatively small and much higher prices appear certain.

**Cascara Sagrada.**—London stocks have been a good deal drawn upon of late and matured bark costs £77 per ton.

**Cod Liver Oil.**—London importers are in a position to shade the c.i.f. price of 105s by a few shillings per barrel, for spot prompt delivery.

### DUTCH BUY GERMAN CHEMICAL SHARES

(*Special Correspondence to DRUG & CHEMICAL MARKETS*)

Berlin, Germany, June 23.—On account of the low exchange value of the mark it has been easy for foreign capital to acquire shares of German companies in the open market. In order to safeguard themselves against domination of foreign interests, many companies have created preference shares with increased voting power. This has made it possible to keep the management in German hands. The extending influence of foreign capital is particularly noticeable in the chemical industry.

**Gesellschaft fur chemische Industrie**, formerly Scheidemandel, is to change entirely into a Dutch company. Scheidemandel has a number of branches abroad and has recently made a new arrangement with Liebig Co. in which Dutch interests are especially strong, in order to extend its foreign organization. Dutch financiers have also acquired part of the shares of **Chemische Werke Lubsinsky & Co.**, Berlin.

	FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.886	\$4.595	
France (franc)	.193	.061	
Italy (lira)	.193	.044	
Germany (mark) per hundred	23.80	.0007	
Czechoslovakia (crown) per hundred	20.30	.029	
Poland (mark) per hundred	23.80	.0009	
Japan (yen)	.499	.488	
Spain (peseta)	.193	.146	
Holland (guilder)	.402	.391	
Belgium (franc)	.198	.052	
Switzerland (franc)	.193	.177	
Sweden (crown)	.268	.264	
Denmark (crown)	.268	.177	
Argentina (peso)	.424	.352	
Brazil (milreis)	.279	.109	
China (Silver dollar—Hongkong)	.789	.528	
(Tael—Shanghai, silver)	1.082	.711	
(Tael—Peking, silver)	1.156	.743	

It is no secret that the German chemical industry was hard hit by the war and its immediate consequences. The export of hardly any one chemical product has equalled pre-war quantities. Moreover, the loss of Alsace-Lorraine has brought the German potash monopoly to an end, writes a Berlin correspondent of "European Commercial" published in Vienna, Austria. Then, under the influence of the tremendous mark depreciation, the costs of production have risen inordinately in Germany. Great quantities of coal had to be purchased abroad, while freights and wages have increased enormously, entailing a substantial reduction in working hours.

**Hoechster Farbwerke**, of Hoechst-on-Main, Germany, reports that the French seized 1400 tons of dyes at the plant. It is said that more stocks were available, but the troops did not take them. It was announced by the management that the French soldiers and workers had been unusually polite and careful in their work, but that certain damage was caused, nevertheless, for which the troops could not be held responsible, since on account of the spontaneous strike which broke out when the troops came in, certain delicate machinery was damaged beyond repairs, and has now to be replaced at considerable cost.

**Rio Tinto Copper Mines**, Huelva Province, Spain, realized 996,354 pounds sterling in profits in 1922 against 403,435 pounds in 1921. These increased profits were due partially to reduction in production costs and increased demand for copper pyrites, says Commercial Attaché C. H. Cunningham, Madrid, in a report to the Department of Commerce.

A good demand for copal gum is reported by American-Belgian Chamber of Commerce. Prices increased about 10 per cent during May. Important sales were made for export to the United States. Stocks at the end of the month were 50 per cent below normal, totaling about 3,000 tons.

Prussia's third 5 per cent, potash loan, amounting to 100,000,000 kilograms, was oversubscribed more than eight and a half times. The subscriptions totaled the value of 869,565,200 ilograms.

**Deutsche Kaliwerke** has acquired control of Kalk-Magnesia Gesellschaft, Hamburg, which makes a lime-magnesia fertilizer.

## Leather Chemicals

### POTASH BICHROMATE PRICES EASIER; FISH OIL SUPPLIES CONTINUE SMALL

**Producers Report Smaller Demand for Bichromates—Menhaden Catch Behind Normal to Date—Chestnut Extract Lower—Tanneries Still Limit Chemical Buying**

Following easier prices noted for sodium bichromate last week, producers have shaded potash bichromate quotations on business this week owing to the limited extent of demand. Reports indicate that the lower figures have not stimulated buying among the tanneries. Competition between sellers in the chemical field, particularly importers, continues to force prices to move in buyers' favor. The lack of inquiries in the market, however, has reduced price cutting to some extent as the stimulus to shade quotations to get orders has been lacking. All kinds of rumors as to business conditions during the balance of 1923, and 1924, are heard. Evidently buyers in all lines are hearing enough pessimistic tales to impress with the necessity for caution in purchasing. As far as can be determined in the leather industry, there is little economic basis for the fears expressed. Reports indicate that stocks of raw materials in the tanneries are low. Some sellers are willing to make concessions to move goods, but the majority of producers are standing fast at old levels.

**Acid, Acetic**—A normal seasonal falling off in demand is noted, but, nevertheless, producers are shipping good quantities of several grades into consumption. Prices are firmly maintained without change at \$3.38@\$3.63 hundred, bbls. works, for 28%. Other prices are 56% \$6.75@\$7.00; 70%, \$8.38@\$8.63; glacial, \$12.78@\$13.03 hundred.

**Acid, Formic**—Offers of imported formic spot unchanged at 12c@14clb. as to seller and quantity. American makers quote nominally at 16c lb. with none to offer.

**Acid, Lactic**—Steady movement of small lots of technical grades into tanning operations reported. Light 22% quoted 4½c@5clb. spot; dark, 5½c@6c. Light 44%, 11½c@12clb.; dark 9½c@9¾clb.; 66% 16c lb.

**Acid, Sulfuric**—Movement into consuming channels is smaller. Steady shipment on old contracts continues. Stocks in producing hands are not large, and no surplus exists. Tanks 66° at \$15.00@\$16.00 ton; carboys \$1.25@\$1.50 hundred as to quantity and seller.

**Arsenic**—Demand is dull and holders are unable to move their stocks. White quoted spot at 13½c bbls. and easy. Red at 15½c spot.

**Epsom Salt**—Steady movement of goods from both producers and importers. American goods commanding the usual premium on quality. U.S.P. domestic works, bbls., \$2.25@\$2.50 hundred; imported spot \$1.90@\$2.00 bbls.

**Extracts**—Large lots of chestnut extract 25% grade, have moved during the past week at slightly lower prices, 2½c@2½clb. tanks and bbls. as to seller being heard. The sixty per cent material is named at 5c@5½clb. Consumers are loath to take any quantities of extracts on their hands just at present. Quebracho at 3¾c@4clb., 35%; 65%, 5c@6clb. Sumac is in small supply at \$75.00@\$80.00 ton; extract liquid, 7c@8clb.

**Formaldehyde**—Quoted easier by producers at 14½clb. works or spot in barrels. Demand continues small and

position soft. Plenty of old stocks offered out of local warehouse in New York, all of which has been in storage for many months.

**Lime**—Steady demand. Prices \$9.50 ton, f.o.b. kiln. Most goods moving on contracts.

**Potash Bichromate**—Makers have reduced prices to 11c works owing to the small demand noted of late. Buyers do not appear particularly attracted by the lower figures. This follows last week's cut in soda bichromate from 8½c down to 8½c lb. Position dull, but the lower prices maintained by makers.

**Alkalies**—Both ash and caustic soda are moving steadily into consumption. Several producers noted that June business in alkalies exceeded both May and April by a goodly margin. Limited buying only from spot stock by consumers. The latter continue to take all contract goods, however, when due. Ash spot \$2.00 hundred bags; \$2.25 bbls. Contract, \$1.45 bags, works, 58%. Caustic, spot drums solid, \$3.30@\$3.70 hundred; contract \$3.16½, 76%, solid, works.

#### Oils and Fats

**Cod Oil**—No change in basic position is reported. Stocks of oil are scarce and prices firm at 70c gal. for Newfoundland, 68c@70c gal. for domestic oil on spot. Demand is limited to small lots of a few bbls. per order.

**Menhaden Oil**—To date, the catch of fish and yield of oil is below normal, chiefly due to the labor situation aboard the boats. Help on the banks is scarce and the industry is really shorthanded. Prices are firm, but unchanged at 48c@50c gal. for crude in buyers' tanks, f.o.b. Baltimore. Some grades of refined are offered slightly lower; light strained is now 80c gal. bbls.; yellow bleached at 82c.

**Neatsfoot Oil**—Little change in quiet market. Prices steady at 15½clb. for 30 deg. cold test, and 16½clb. for 20 deg.

**Red Oil**—Soft and easy at current figures. Demand has been slack and permitted stocks to accumulate. Price 9½c@10clb. spot.

Restocking the ranches of Mexico with goats is making steady progress and this means much to the masses of people of the country. The skin of the goat raised in Mexico is worth more than that of most any other country. Kid skin dressers show a decided preference in the United States and England for the Mexican skin. The part of Mexico most adaptable to the raising of goats is in the states of Tamaulipas, Nuevo Leon and Coahuila.

#### OTHER TANNING AND LEATHER MATERIALS

For reports on chemicals, oils, tanning extracts, and other raw materials for the leather industries not reported on this page, see the general market reports on the thirteen preceding pages. For the current market quotations on chemicals and allied products, with specifications and packing, see price list beginning on fifth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

## Paper Chemicals

### MAKERS DISAGREE ON BLEACH PRICES; LESS DEMAND FOR PAPER CHEMICALS

Some Producers Quote \$1.90 on Bleaching Powder and Others \$1.75—Casein Hearing Before Tariff Commission on Aug. 14—Aluminum Sulfate Reported Easy—Oxalic Lower

Although certain localities of the country report that their paper mills are running full time, the general demand for chemicals from producers by the paper trade indicates that there has been a slight falling off in the goods passing into consumption. This is to be looked for at this time of the year, and is taken as merely a temporary lull. For some months past, the paper trade has not been buying chemicals in proportion to reported active operations. For this reason stocks, in many mills are believed to be short. Manufacturers of bleaching powder do not agree on the contract prices for the third quarter. Two levels have been established as a result of the cut in price, reported here last week. The low figure is \$1.75 hundred and the figure of producers who did not reduce prices is \$1.90. Reports from Washington state that the first hearing on the casein tariff will be held before the Tariff Commission on Aug. 13, at which time the report of the investigation of reports here and in South America will be heard.

**Acid, Sulfuric**—Less sulfuric acid is passing into consuming channels, but nothing is thought of this owing to the season. All industrial operations have tended to ease down of late. Stocks of acid in producing hands are held unchanged at \$15.00@\$16.00 ton by makers; are not large, and there is no surplus. Tanks 66 deg. carboys \$1.25@\$1.50 hundred. Other strengths in proportion.

**Acid, Oxalic**—Further shading of prices has been induced by keen competition. Makers name down to 12½c bbls. at works and 12½c spot New York. Imported material sales reported at same price on spot. Demand continues quiet. American makers said to be quoting below cost at current levels.

**Alkalies**—Both ash and caustic are moving steadily into consuming channels. June business was larger than April and May, according to several producers. Spot business hand-to-mouth. Consumers continue to take all stocks due on contracts. Spot ash, \$2.00 hundred, bags; \$2.25 bbls. Contract, \$1.45 bags, works, 58%. Caustic, spot solid drums, \$3.30@\$3.70 hundred. Contract, \$3.16½, 76% solid works.

**Alums**—Demand is more or less hand-to-mouth. Prices are unchanged for the routine business passing.

### OTHER PULP AND PAPER MATERIALS

For reports on chemicals, bleaches, fillers, and other raw materials for the pulp and paper industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on fourth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

Ammonia lump is named at \$3.50@\$3.65 hundred works from makers. Imported potash alum is held unchanged at 3c@3½clb. spot. Imported ammonia alum \$3.50. Domestic lump potash alum works cars \$4.25. Soda alum \$3.50.

**Aluminum Sulfate**—Weak and in small demand. Price shading reported. American producers at \$2.50 hundred for iron free. Imported \$2.25. Technical goods at \$1.40@\$1.50 hundred.

**Blanc Fixe**—Dull and unchanged at \$70.00@\$80.00 ton dry spot pulp material \$40.00@\$50.00 ton.

**Bleaching Powder**—Makers disagree on contract price for third quarter. One group quotes \$1.90 hundred while the others name \$1.75 as reported in this market last week. Both claim to be doing business at their respective prices, which claim is about in line with most claims of doing business in chemicals at the present time. Price said to be below cost and induced by competition. Spot goods at \$2.25 hundred, drums.

**Casein**—Prices unchanged and firm at 17c lb. spot, for either imported or domestic. Importers state 12½c c.i.f. can still be done for shipment. One importer gave 15c lb. spot goods, but what quantity available, he did not state. Hearing on casein duty and appeal of coated paper makers for reduction is scheduled for Aug. 13 before the Tariff Commission in Washington. At this time, the report on relative cost of production in Argentina and the U. S. will be given.

**Chlorine**—Moving slowly, mostly on contracts. Spot cylinders meeting small demand. In view of the season, dullness is not unlooked for. Contracts, cylinders, cars at 4c@5clb. unchanged as to maker. Spot goods at 5½c@7clb. as to quantity and maker. Current prices said to be under cost of production and will not last.

**China Clay**—Demand good and supplies here are not heavy at present. Domestic clay at \$18.00@\$24.00 ton as to quality, f.o.b. works. English material spot \$14.00 @\$20.00 as to quality.

**Rosin**—Slight price changes this week. Some low grades moved up slightly while WG and WW are slightly cheaper. Range \$5.85 bbl. up to \$7.50 for white. Demand slow.

**Sodium Bisulfite**—Fair movement from makers. Accumulations in outside hands. Demand routine. Prices unchanged at \$4.25@\$4.50 hundred bbls. works. Solution \$1.25.

**Sodium Silicate**—Steady movement of small lots only. No large buying. Prices firm and unchanged at \$1.30 @\$1.40 hundred for 40° spot drums; same in tanks at works at 75c. 60° drums spot at \$1.70@\$1.90 hundred.

With the Canadian dollar quoted at a discount of 2½ per cent or the low point for the year, paper companies in Canada are reaping the benefit, says "Financial America." Exchange rate works directly against American companies, giving the Canadians a better basis for competition. The importance of this can be realized from the fact that more than 80 per cent of the Dominion's newsprint is shipped and consumed in this country, being paid for in American dollars. With newsprint selling at \$75 this means an advantage of \$1.87 a ton.

Columbia River Paper Mills, Inc., Vancouver, Wash., is building acid towers at its sulfite works. Additional equipment will be installed.

## Rubber Chemicals

### PRODUCERS ADVANCE METHYL ACETONE; ACCUMULATION OF BENZENE SUPPLIES

**Scarcity of Acetone—No Demand for Benzene as Production Shows Steady Increase—Carbon Black, Zinc Oxide, and Lithopone Demand Continue Ahead of Production**

In spite of the general slowing down of the rubber business, some items have shown considerable activity. Soft goods factories continue to buy steadily but in small lots. Carbon black and china clay stand out as the features. The high prices of carbon black continue as demand exceeds supplies. The same is true at the present time of china clay, zinc oxide, and lithopone. Producers have again advanced prices for methyl acetone owing to the smallness of supplies. Benzene demand continues at a standstill as producers steadily increase their outputs. Stocks are accumulating, the only appreciable outlet at present being through the medium of gas engine fuel. Stocks of solvent naphtha continue scarce and hard to locate. Hexamethylene is easy. Diphenylguanidine is in steady demand and firm in price.

**Acid. Acetic**—A normal seasonal falling off in demand is noted, but, nevertheless, producers are shipping good quantities of several grades into consumption. Prices are unchanged at \$3.38@\$3.63 hundred, bbls works, for 28 per cent. Other prices are 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; and glacial, \$12.78@\$13.03 hundred.

**Acetone**—Spot position still shows that stocks are none too plentiful with C.P. named at 25c@25½c/lb. spot. Methyl has advanced again due to scarcity of stocks and is now quoted at \$1.00@\$1.05 gal. spot.

**Aluminum Flake**—Unchanged at \$30.00 ton.

**Aniline Oil**—Competition has been keen between makers, and demand light, thereby, causing easier market. Resales and makers both name 16c/lb. at works with possibility of shading these figures on round lot business.

**Antimony Sulfuret**—Makers report good business and name 43c@52c/lb. spot for crimson, and 20c@25c/lb. spot for golden.

**Asbestine**—Demand continues along steady lines at \$18.00@\$20.00 ton at point of production for best quality.

**Benzol**—Demand has continued at a standstill as production shows a steady increase. By the present indications stocks are quite ample to supply the trade for large quantities. Contract business over last half of year is reported fair. Pure goods quoted at 27c@30c gal. and 25c@27c gal. for 90 per cent at works.

**Blanc Fixe**—Market has shown no changes at 4c@4½c/lb. spot, and pulp at \$40@\$50 ton.

**Carbon Black**—Makers report production is well taken up for the balance of the year at 15c@17c/lb. f.o.b. works. Spot goods are scarce. Production is curtailed somewhat by the fight on conservation of natural gas supply by the state legislature in Louisiana.

**China Clay**—Consumption has increased lately owing to good results obtained in using it as a compounding ingredient. Imported has slight preference over domestic and is sold "to arrive." Quoted at \$23.50@\$25.00 ton spot, and domestic at \$15@\$18 ton at points of production.

**Diphenylguanidine**—Unchanged and in good demand at \$1.15@\$1.20/lb. spot as to quantity.

**Hexamethylene**—Both imported and domestic are quoted easy at 74c and 93c/lb. spot, respectively. Recent cables from London state easier market.

**Lithopone**—Makers are said to be going at full capacity with demand good at 7c@7½c/lb. as to quantity at works. Contracted business for third quarter is fully up to normal.

**Sulfur**—Demand is said to be along routine lines at \$1.35@\$1.70 unit for commercial flour; superfine, \$2.00 @\$2.40; and chloride at 5c@6c/lb. at works.

**Talc**—Both imported and domestic are in good demand. French, \$20; high-grade French, \$40; Italian, \$47@\$58 ton as to quality; and domestic \$15@\$18 ton f.o.b. works.

**Whiting**—Consumption has been along steady lines at \$1.00 unit for commercial; gilders' bolted, \$1.10; extra gilders' bolted, \$1.15; and English cliffstone, \$1.50 per 100 pounds.

With a total value of \$3,702,748, exports of rubber manufacturers from the United States in April, though \$613,428 less than in March, were far above any other month since the 1920 boom period. In April, 1922, the value of exports was only \$2,823,099. Exports during the first four months of this year have followed the same trend as during the first four months of 1922. With a similar tendency for the remaining months of the year, the 1923 shipments would easily surpass \$40,000,000, compared with \$33,450,832 in 1922. The single factor most responsible for this increasing trade, according to the Rubber Division of the Department of Commerce, is the apparent ability and willingness of American tire exporters to sell at competitive prices in every foreign market.

Rubber consumption of the entire world is estimated at 250,000 long tons by engineers of B. F. Goodrich Rubber Co. Since rubber must be taken from certain tropical trees in the form of latex, which is more than 60 per cent water, it takes 224,000,000 gallons of the milky fluid to produce the tonnage required to supply the rubber manufacturing industry.

Goodyear Tire & Rubber Co. has declared a dividend of \$2 on the prior preference voting trust certificates, payable July 1 to holders of record June 15.

### OTHER COMPOUNDING INGREDIENTS

For reports on chemicals, solvents, fillers, vulcanizing compounds, colors, and other raw materials for the rubber industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on third page toward the back of the book. Prices are for goods f.o.b. New York or works prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

[JULY 4, 1923]

No one ever orders  
QUALITY DYES  
by mistake



**ELLIS JACKSON & COMPANY**  
18 NO. FRONT STREET  
PHILADELPHIA

*Foreign Department*  
29 BROADWAY, NEW YORK

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**GLASS, SOAP, PAPERMAKERS,  
TEXTILE and FERTILIZER SUPPLIES**

## Textile Chemicals

### TIN SALTS, OXALIC ACID, AND COCONUT OIL SHOW FURTHER DROP

**Tin Products Down on Cheaper Metal—Heavy Imports of Coconut Oil—Keen Competition in Oxalic Acid—Makers Differ on Bleach Prices—Starches and Dextrines Firm**

Such chemical raw materials for the textile industry as have moved at all during the past week, have shown a downward tendency. Inquiries have been few, however, and further restricted by the intervening holiday. Although there has been some price shading, the reduced number of inquiries has tended to reduce price cutting in proportion for the reason that the market presented correspondingly fewer opportunities to shade. Some localities report continued activity in their mills, particularly some of the cotton goods plants. The textile industry as a unit, however, is running on part time and buying chemicals accordingly. On cheaper metal, tin crystals and oxide are lower. Heavy importations of coconut oil last week coupled with slow demand and competition sent prices down further. Competition between makers and importers of oxalic acid has brought out lower prices again this week. Producers do not agree on bleaching powder prices, one group asking \$1.90 and another \$1.75 hundred. Demand for starches and dextrines continues active and prices are firm.

**Acid, Acetic**—A slightly lessened demand for acetic acid is noted for textile uses, although good quantities are still being shipped into consuming channels. The lower grades are in most demand with 28% at \$3.38@\$3.63 hundred; 56% at \$6.75@\$7.00; and glacial at \$12.78@\$13.03.

**Acid, Muriatic**—Although makers are sold up ahead and spot stocks have not had a chance to become large, demand for spot goods is routine. Prices are unchanged at \$1.00@\$1.10 for tanks, \$1.25@\$1.50 for carboys, 20%.

**Acid, Sulfuric**—Less sulfuric acid is passing into consuming channels, but nothing is thought of this owing to the season. All industrial operations have tended to ease down of late. Stocks of acid in producing hands are not large, and there is no surplus. Tanks 66 deg. are held unchanged at \$15.00@\$16.00 ton by makers; carboys \$1.25@\$1.50 hundred. Other strengths in proportion.

**Acid, Oxalic**—Further shading of prices has been induced by keen competition. Makers name down to 12½c bbls. at works and 12½c spot New York. Imported material sales reported at same price on spot. Demand continues quiet. American makers said to be quoting below cost at current levels.

**Alkalies**—Both ash and caustic are moving steadily into consuming channels. June business was larger than April and May, according to several producers. Spot business hand-to-mouth. Consumers continue to take all stocks due on contracts. Spot ash, \$2.00 hundred, bags; \$2.25 bbls. Contract, \$1.45 bags, works, 58%. Caustic, spot solid drums, \$3.30@\$3.70 hundred. Contract, \$3.16½, 76% solid works.

**Bleaching Powder**—Makers disagree on contract price for third quarter. One group quotes \$1.90 hundred while the others name \$1.75 as reported in this market last week. Both claim to be doing business at their respective prices, which claim is about in line with

most claims of doing business in chemicals at the present time. Price said to be below cost and induced by competition. Spot goods at \$2.25 hundred, drums.

**Chlorine**—Moving slowly, mostly on contracts. Spot cylinders meeting small demand. In view of the season, dullness is not unlooked for. Contracts, cylinders, cars at 4c@5clb. unchanged as to maker. Spot goods at 5½c@7clb. as to quantity and maker. Current prices said to be under cost of production and will not last.

**Sodium Bisulfite**—Fair movement from makers. Accumulation in outside hands. Demand routine. Prices unchanged at \$4.25@\$4.50 hundred bbls. works. Solution \$1.25.

**Coconut Oil**—About 1,500 tons of coconut oil arrived at New York last week from Manila. This heavy arrival coupled with keen competition and lack of demand, caused recessions in prices already weak and low. Prices now stand at 9½c@9½clb. spot Ceylon, bbls. 8½c tanks N. Y. Manila oil tanks Pacific Coast 8c lb.

**Olive Oil**—Spot denatured olive at \$1.10@\$1.15gal. with cost of replacement abroad above this level. Demand here quiet. Fooths at 7¾c@8clb. spot.

#### Starches and Dextrines

Firm prices and a steady movement of goods into consumption are noted. Shipments to the cotton mills in the South are still reported good. They are still buying, according to reports. Spot stocks are small in all grades. British gum \$4.24@\$4.34; white corn dextrine \$3.79@\$3.89; yellow \$3.84; potato 7c@8clb. Powdered starch, \$3.22 in car lots; pearl \$3.12; potato \$4.50. Tapioca flour firm here at 6c@6½clb. for high grade; medium grade 5c@5¼c.

Reports from Nashville, Tenn., state that officials of E. I. du Pont de Nemours & Co. have investigated sites in the vicinity of Nashville for a fiber silk plant which will cost several million dollars and employ 2,000 persons.

New England textile interests have made an offer to buy \$6,600,000 common stock of Victor Monaghan Mills, Greenville, S. C. The stock is quoted at about \$117, but the bid may be as high as \$130.

Fall River cotton mills have curtailed production, this week, and about 18,000 employees are out of work temporarily. Mills in other New England towns are closed for the week.

#### OTHER TEXTILE MATERIALS

For reports on chemicals, oils, fillers, finishing compounds, bleaches, and other raw materials for the textile industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on next page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

[JULY 4, 1923]

# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	—.833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	—.264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	—.454	Kilograms
1 Kilogram	—2.20	Pounds

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## Chemicals

ACETANILID, tech. 150 lb. bbls..	.27	.28	ACID, Carbolic—(Continued)		Acid, hydrofluoric—(continued)	
100 lb. kgs..	.28	.30	Crude, 25% 50 gal. bbls..	.35	60% 100 lb. chy. wks..	.14
USP 200 lb. bbls..	.32	.35	10% 50 gal. bbls..	.30	60% 300 lb. dr. wks..	.13
Second Hands..	.32	.35	DL, 150 lb. chy. wks..	.10	White Acid, 100 lb. chy. wks..	.26
Acetic Anhydride, 85% 480 lb. drs..	...	.38	Tri, 425 lb. chy. wks..	.245	White Acid, 10 chy. wks..	.25
85%, 107 lb. chys..	...	.38	Chloroformic, 1500 lb. drs..			
92-95%, 100 lb. chys..	.43	.45	wks..	.15	Hydrofluoridic, 35% 450 lb. bbls..	
Acetone, CP 700 lb. drs. c/l wks..	...	.25	mono, 100 lb. bbls. wks..	.30	wks..	.10
700 lb. drs. lc/l wks..	...	.25	DL, 150 lb. chy. wks..	.10	Hypophosphorous, U.S.P. 30% 5	
350 lb. drs. lc/l wks..	...	.25	Tri, 425 lb. chy. wks..	.245	gal. demis..	
Second Hands, spot..	.30	.32	Chloroformic, 5 lb. cans..	.15	USP, 10% 5 gal. demis..	.05
Acetone Oils, light, bbls. wks..	1.00	1.05	Chromic, 200 lb. drums..	.40	22% light, bbls..	.05
Heavy, bbls. wks..	1.00	1.05	85% Pure, 200 lb. drums..	.35	44% dark, bbls..	.06
Acetophenone, CP 1 lb. bot..	4.00	4.25	Chromotropic, 300 lb. bbls..	.125	44% light, bbls..	.09
Acetophenetidin, 150 lb. bbls..	1.85	1.95	Chrysophanic, see Chrysanthic		60% bbls..	.12
Acetyl Chloride, 100 lb. chys..	.40	.41	Cinnamic, 5 lb. cans..	3.00	USP IX, 100 lb. chys..	.16
ACID, L. 2, 4, 250 lb. bbls..	...	1.30	CITRIC, U.S.P. cryst. 230 lb. bbls..	.325	USP VIII, 100 lb. chys..	.10
Acetic, 25%, 400 lb. bbls. a/l			Powd., U.S.P. 200 lb. bbls..	.50	USP VIII, 100 lb. chys..	.55
wks..	100 lb.		Imported, cryst. 112 lb. kgs..	.52	Laurens', 250 lb. bbls..	.90
28%, 1c/l wks..	...	3.38	Single legs..	.53	Metanilic, 250 lb. bbls..	.60
56%, c/l wks..	...	3.63	Cloves, 250 lb. bbls..	1.00	Mixed, sulfuric-nitric	
56%, lc/l wks..	...	6.75	Cresylic, 95% dark dr. NY. gal..	1.10	Drums, wks..	.07%
70%, bbls. c/l wks..	100 lb.	7.00	97-99% straw, drs. wks..	1.10	Drums, wks..	.01
70%, lc/l wks..	100 lb.	8.28	97-99% pale, drs. NY. gal..	1.15	Tank cars, wks..	.07%
80% coml. bbls. c/l wks..	100 lb.	8.63	97-99% decolor. drs. wks..	...	Tank cars, wks..	.009
80% coml. bbls. c/l wks..	100 lb.	9.58	Diethylbarbituric, 10 lb. lots..		Molybdic, 85% pure 1 lb. bot..	1.75
80% coml. bbls. c/l wks..	100 lb.	9.82	1 lb. bot..	8.50	85% pure, 100 lb. kgs..	1.85
80% pure bbls. c/l wks..	100 lb.	11.41	Formic, 75% tech. 100 lb. chys..	.11	Monesulfonic F. Delta, 50 lb.	2.80
80% pure bbls. c/l wks..	100 lb.	11.60	90%, 75 lb. chys. incl..	.12	tins..	
Glacial, bbls. c/l wks..	100 lb.	12.78	Gallie, U.S.P. 150 lb. bbls..	.70	MURATIC, 20° chy. la/l	
Glacial, lc/l wks..	100 lb.	13.03	Gamma, 225 lb. bbls. wks..	1.80	wks..	
Glacial, U.S.P. chy. wks..	100 lb.	13.53	Bbls., ton lots wks..	1.70	Chy. c/l wks..	1.40
Acetylmalic, 220 lb. bbls..	.95	1.05	Glycero-phosphoric, 25% 1 lb. b. b.	1.65	Tank cars, wks..	1.25
Second Hands..	.90	.95	II, 225 lb. bbls. single..	...	18°, 120 lb. chys..	1.00
Autobrannile, ton lots drs..	...	.96	...	.85	Tank cars, wks..	1.00
95-98%, 100 lb. drs..	1.00	1.10	Bbls., ton lots wks..	.80	22°, 120 lb. chys..	1.75
99-100%, 100 lb. drs..	...	1.20	Hydriodic, 10% U.S.P. 5 lb. bot..	.65	c/l wks..	1.75
Benzoin, tech. 100 lb. bbls..	...	.75	48% coml. 10 chys. wks..	.35	Iron, free, 20° chy. c/l wks..	1.35
Tech. ton lots bbls..	...	.70	40% U.S.P. 155 lb. chy. wks..	.40	Tank cars, wks..	20.00
USP, 100 lb. bbls..	...	.75	10%, U.S.P. 100 lb. chy. wks..	.45	18°, 120 lb. chys..	1.00
Boric, crys. powd. 250 lb. bbls..	.11	.11 1/2	48% coml. 10 chys. wks..	.40	Tank cars, wks..	.90
Kgs., 100 lb. bbls..	...	.11 1/2	52% 100 lb. chy. wks..	.45	22°, 120 lb. chys..	1.00
Bromoform, 250 lb. bbls..	...	1.55	Hydrochloric, see also Acid Muriatic		c/l wks..	1.75
Butyric, 60% pure 5 lb. bot..	.50	.60	CP, U.S.P. 110 lb. chys..	.09	10 chy. c/l wks..	1.00
Camphor, U.S.P. VIII 1 lb. bot..	5.50	5.60	HYDROFLUORIC, 30% 400 lb. bbls..		Tank cars, wks..	25.00
Carbolic, U.S.P. crys. see also Phenol			wks..	...	Muriatic, CP & U.S.P. see Acid Hydrochloric	
110 lb. tins..	...	.57	30% bbls. c/l wks..	.07	Naphthione, tech. 250 lb. bbls..	.63
55 lb. tins..	...	.59	30% 100 lb. chy. wks..	.06	Refined, single bbls..	.65
55 lb. tins or bot..	...	.61	48% single 100 lb. chy. wks..	.11	Neville & Wimber's, 250 lb.	
1 lb. bot..	...	.66	48% 10 chy. wks..	.10	bbls..	.12
Liquid, U.S.P. 1 lb. bot..	...	.66	52% 100 lb. chy. wks..	.12		
			52% 10 chy. wks..	.11		

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## Chemicals

		ALUMINUM SULFATE—(Continued)		AMMONIUM CHLORIDE—(Continued)	
Alcain, USP 100 lb cases.....	lb .87 : .90	Cont. bgs. c/l wks. E. 100 lb	... : 1.40	Imp. wh. 600 lb cases spot. lb	.06% : .06%
Alpha-Naphthol, crude 300 lb bbls. lb	... : .65	Bags, c/l wks. W. 100 lb	... : 1.35	Gray, 600 lb casks spot. lb	.08 : .09
Refined, 300 lb bbls. ....	... : .75	Bbls., c/l wks. East. 100 lb	... : 1.60	Lump, 500 lb casks spot. lb	.13 : .14
Alpha-Naphthylamine, 350 lb bbls. lb	.37 : .39	Bulk, c/l cont. wks. E. 100 lb	... : 1.35	Ichthyolate, as to brand. ....	.75 : 4.00
Ton lots, bbls. wks. ....	lb .85 : .87	Amidol, (see Diaminophenol)		Iodide, USP 25 lb jars. ....	.00 : 5.20
<b>ALUM.</b> Ammonia, lump 400 lb bbls.		Amidovyrine, 10 lb boxes. ....	lb 5.25 : 6.00	Lactate, 500 lb bbls. ....	.15 : .18
wks. ....	100 lb 3.50 : 3.65	1 lb cartons, 10 lb. ....	lb ... : ...	Nitrate, tech. crys. 225 lb bbls. lb	... : ...
Imp., 500 lb casks. ....	100 lb 3.50 : 4.00	Aminosobenzene, 110 lb kgs. ....	lb ... : 1.15	Refined Crystals, bbls. ....	.18 : .20
Ground, 400 lb bbls. wks. 100 lb	3.65 : 3.75	AMMONIA anhyd. 100 lb cyl. lb	... : .30	CP gran. 100 lb kegs. ....	.35 : .37
Powd., 380 lb bbls. wks. 100 lb	3.90 : 4.00	Water, 26° 800 lb drs. wks. ....	lb ... : .07%	Oralate, pure, 100 lb kegs. ....	.50 : .57
Chrome, 500 lb cyl. wks. 100 lb	5.50 : 6.00	Drs. c/l wks. ....	lb .07 : .07%	Persulfate, 112 lb cases. ....	.55 : .60
Potash, lump 400 lb bbls.		Imp., 800 lb drs incl. spot. lb	lb .06% : .07	Phosphate, dibasic 200 lb bbls. lb	.54 : .60
wks. ....	100 lb ... : 4.50	26° 100 lb chys. le/l wks. lb	... : .08%	Tech. powd. 325 lb bbls. lb	.15 : .17
Bbls. c/l wks. ....	100 lb ... : 4.25	Chys. c/l wks. ....	lb ... : .08%	Salicylate, USP 100 lb kegs. ....	... : .85
Cont. bbls. c/l wks. 100 lb	... : 4.35	20°, 800 lb drs. le/l wks. lb	... : .06	Sulfate, bulk c/l wks. ....	100 lb ... : 3.20
Imp. 650 lb cases s.p. 100 lb	3.00 : 3.25	Chys., le/l wks. ....	lb ... : .07%	200 lb single bgs. c/l wks. 100 lb	... : 3.30
Ground, 400 lb bbls. wks. 100 lb	4.35 : 4.60	18°, 800 lb drs. le/l wks. lb	... : .05%	200 lb double bgs. f.a.s. 100 lb	... : 3.65
Imp. 650 lb casks. ....	100 lb 3.00 : 3.25	Chys., le/l wks. ....	lb ... : .07%	Sulfocyanide, tech. 100 lb kgs. lb	... : .50
Powd., 380 lb bbls. wks. 100 lb	4.50 : 4.75	16°, 800 lb drs. le/l wks. lb	... : .04	CP. 25 lb jars. ....	.60 : .65
Chrome, 700 lb cyl. wks. 100 lb	5.50 : 6.00	Chys., le/l wks. ....	lb ... : .05	Amyl Acetate, tech. 50 gal. drsgal. 4.25 : 4.50	
Soda, grd. 400 lb bbls. wks. 100 lb	... : 4.00	Ammonium Acetate, 100 lb kegs. lb	lb .35 : .38	Pure, 5 gal. cans. .... gal 6.75 : 7.75	
Bbls. c/l wks. ....	100 lb ... : 3.50	Benzoate, USP 1 lb bot. ....	lb .85 : .90	Alcohol, see Fusel Oil	
Aluminum, metal, c/l NY. ....	100 lb 25.00 : 26.00	Bifluoride, 300 lb bbls. ....	lb .22 : .23	Butyrate, 1 lb bot. ....	lb 2.00 : 2.10
Chloride, anhyd. 275 lb drs. lb	.20 : .22	100 lb kegs. ....	lb .22 : .24	Formate, 1 lb bot. ....	lb 1.75 : 2.00
30% sol. 120 lb chys. ....	.03% : .04	Bromide, 50 lb boxes. ....	lb ... : .33	Salicylate, 100 lb chys. ....	lb 1.45 : 1.60
Hydrate, 96% light 90 lb bbls. lb	.18% : .20	Imported, 112 lb boxes. ....	lb .19 : .20	Anethol, 2 lb bot. ....	lb 1.60 : 2.00
<b>SULFATE.</b> Iron-free bags c/l		Carb., tech. 560 lb cases. ....	lb ... : .09%	ANILINE OIL, 900 lb drs. ....	lb .16 : .17
wks. ....	100 lb 2.50 : 2.65	Powd., tech. 385 lb bbls. ....	lb ... : .09	Aniline Salt, 200 lb bbls. ....	lb .24 : .25
Imported, spot. ....	100 lb 2.25 : 2.50	USP, lump, 100 lb kegs. ....	lb ... : .09%	Anisic Aldehyde, 1 lb bot. ....	lb 3.40 : 4.00
Comm'l., 1/4% iron, bgs. c/l		Powd., 100 lb kegs. ....	lb ... : .09	Anthracene, 40-45% 600 lb tanks	
wks. ....	East 100 lb 1.45 : 1.50	Chloride, Domestic		wks. ....	lb .12 : .17
		White gran. 250 lb bbls. NY. lb	... : .08	80-85%, 600 lb casks wks. ....	lb .75 : 1.00
		Bbls., c/l wks. ....	... : .07%	Anthraquinone, subl. 125 lb bbls. lb	lb 1.30 : 1.35
		Gray 250 lb bbls. wks. ....	lb .08% : .08%	30% paste 350 lb bbls. ....	lb .75 : .80
		Bbls., c/l wks. ....	lb .08 : .08%	Antimony metal, slabs ton lots 100 lb	lb 6.75 : 6.87
				Needle Powd., 100 lb cases. ....	lb .06% : .06%

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Codeine and Salts  
Colchicine Alkaloid, U. S. P.  
Colchicine Salicylate  
Creosote, U. S. P.  
Creosote Carbonate  
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Phenolphthalein  
Pilocarpine and Salts  
Potassium Guaiacol  
Sulphonate "Alta" Brand  
Salicin  
Saponin Purified  
Scarlet Red Medicinal  
Genuine "Biebrich"  
Silver Proteinate  
Sodium Cacodylate  
Sparteine Sulphate  
Strophanthin  
Strychnine and Salts  
Theobromine and Salts  
Veratrmine and Salts  
Yohimbin Hydrochloride

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## Chemicals

<b>ANTIMONY CHLORIDE, anhyd 1000 lb</b>			
dr. .... lb	....	....	....
50 lb crocks .... lb	.45	.48	
Sol'n. 130 lb carboys .... lb	.12	.18	
Oxide, 500 lb bbls .... lb	.07	.07 1/2	
Salt, dom. 500 lb bbls .... lb	.24	.25	
Imp., NY .... lb	.23	.24	
Sulfuret, golden 500 lb bbls .... lb	....	.21	
336 lb kegs .... lb	....	.19	
Crimson, 500 lb bbls .... lb	....	.38	
Red, 500 lb bbls .... lb	....	.36	
336 lb kegs .... lb	....	.45	
Tartrolactate, 500 lb bbls .... lb	....	.45	
Antipyrine, USP, 100 lb cases .... lb	3.00	3.25	
Apomorphine Hydrochloride, 1/2 oz. vials .... oz	....	19.65	
Areccline Hydrobromide, 1 oz. vial .... oz	9.00	10.50	
Argols, red powd. 350 lb bbls .... lb	.07	.07 1/2	
Arsenic, metal 220 lb kegs .... lb	....	.35	
Red, 224 lb kegs cases .... lb	.15 1/2	.18	
White, 550 lb bbls, c/l NY .... lb	.14	.14 1/2	
Aspirin, see Acid Acetylsalicylic			
Atropine Alk. USP 1 oz. vial .... oz	....	9.50	
Sulfate, 5 oz. cans .... oz	....	4.00	
Single ounce .... oz	....	4.17	
<b>BARIUM BINOXIDE, see Barium dioxide</b>			
Carbonate, precip., 800 lb bbls			
wks. .... ton	....	70.00	
Imports, bbls, spot .... ton	70.00	72.00	
Precip., 200 lb bgs, wks .... ton	68.00	70.00	
Chloride, 800 lb bbls, wks .... ton	....	90.00	
200 lb bgs, wks .... ton	88.00	90.00	
Import, bbls, spot .... ton	80.00	85.00	
Dioxide, 88% 690 lb drs .... lb	.17	.18	
Import, 83-85% 400 lb drs .... lb	.14	.16	
Hydrate, 500 lb bbls .... lb	.05 1/2	.06	
Iodide, 5 lb box .... lb	....	5.15	
Nitrate, 700 lb cases .... lb	....	.10	
Import, cases .... lb	.07 1/2	.08	
Sulfocyanide 400 lb bbls .... lb	....	.35	
Barites, floated 350 lb bbls .... ton	33.50	35.00	
<b>BAY Rum, Porto Rican, genuine</b>			
Denat. salicy acid or tartar emetic			
45 gal. bbls .... gal	3.17	3.20	
Denat. quinine sulf. 45 gal. bbls .... gal	3.40	3.50	
Domestic synthetic, 50 gal. bbls .... gal	1.25	1.35	
<b>BENZENE, 90% 8000 gal. tanks</b>			
wks. .... gal	....	27	
110 gal. drs. wks. .... gal	.30	.32	
Pure, Tanks, wks. .... gal	.27	.32	
110 gal. drs. wks. .... gal	.33	.35	
Benzidine, Base, dry 250 lb bbls. lb	....	.86	
10 bbl. lots .... lb	.82	.84	
Benzidine Sulfate, paste 350 lb bbls. .... lb	....	.72	
<b>BENZOL, see Benzene</b>			
Benzonaphthol, 5 lb boxes .... lb	2.00	2.10	
Benzoyl Chloride, 500 lb drs. .... lb	....	1.00	
Benzoyl Acetate, 100 lb drs. .... lb	1.25	1.40	
Alcohol, 5 lb bot. .... lb	1.50	1.75	
Benzoate, 5 lb bot. .... lb	1.50	1.60	
Medicinal FFC .... lb	1.75	1.85	
Chloride, 95% tech. 925 lb drs. .... lb	....	.30	
100 lb chys. .... lb	.30	.35	
Redistil. 100 lb chys. .... lb	.40	.45	
Formate, 1 lb bot. .... lb	2.50	3.00	
Berberine Hydrochloride, 1 lb bot. .... lb	....	22.00	
*Sulfate, acid or neut. 1 lb bot. .... lb	....	22.00	
<b>BETA-NAPHTHOL, 350 lb bbls. wks. .... lb</b>	....	.24	
Ton lots, wks. .... lb	.22	.23	
Sublimed .... lb	.55	.60	
<b>Beta-Naphthylamine, tech. 200 lb.</b>			
Dose. .... lb	....	.76	
Sublimed, 200 lb bbls. .... lb	....	1.35	
<b>Bichloride Mercury, see Mercury Bichloride</b>			
<b>BISMUTH metal, 150 lb cases .... lb</b>	2.75	2.85	
Second Hands .... lb	2.60	2.65	
<b>Ammon. Citrate, USP 5 lb bxs. .... lb</b>	....	5.60	
<b>Betanaphtholate, 5 lb bxs. .... lb</b>	....	3.20	
<b>Citrate, USP 5 lb bxs. .... lb</b>	....	3.00	
<b>Nitrate, 25 lb jars .... lb</b>	....	1.85	
<b>Oxychloride, 250 bbls. .... lb</b>	....	3.35	
<b>Phenolsulfonate, 5 lb cans .... lb</b>	....	3.05	
<b>Salicylate, 250 bbls. .... lb</b>	....	1.95	
<b>Subcarbonate, USP, 250 bbls. .... lb</b>	....	3.25	
<b>Subbaronate, USP, 250 bbls. .... lb</b>	....	3.25	
<b>X-Ray diag. 1 lb bot. .... lb</b>	....	3.60	
<b>Subgallate, USP 175 bbls. .... lb</b>	....	2.65	
<b>Subiodide, 5 lb lots .... lb</b>	....	4.55	
<b>Subnitrate, USP, 250 bbls. .... lb</b>	....	2.75	
Second Hands, bbls. or less. lb	2.55	2.60	
Cones, 1 lb bot. .... lb	....	3.75	
<b>Subsalsicylate, USP, 175 bbls. .... lb</b>	....	3.05	
<b>Tannate, 1 lb bot. .... lb</b>	....	2.58	
<b>Bismuth Preparations quoted above on basis 25 lb lots.</b>			
Smaller lots at an advance.			
<b>Blane Fixe, dry 400 lb bbls. .... ton</b>	80.00	85.00	
Imported, bbls. .... ton	65.00	70.00	
Paste, 650 lb bbls. .... ton	50.00	55.00	
<b>BLEACHING POWDER, 700 lb. drs.</b>			
c/l wks. .... 100 lb	1.75	1.90	
Drum, c/l ex-warehouse. 100 lb	2.25	2.50	
Contract, c/l wks. .... 100 lb	1.75	1.90	
F. a. a. c/l. .... 100 lb	....	....	
Imported, spot .... 100 lb	....	....	
<b>Blue Ointment, see Mercury</b>			
Mass, see Mercury			
<b>Bone Ash, 100 lb kegs .... lb</b>	....	.08	
Black, 200 lb bbls. .... lb	.06	.08	

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## Chemicals

CALCIUM CHLORIDE—(Continued)						
Borax, USP, cryst. 400 lb bbls..lb	.05%	.05%				
Powdered, U.S.P. 300 lb bbls..lb	.05%	.05%				
Kegs, USP, 100-150 lb .....	.05%	.06				
Bordeaux Mixture, powd. bbls..lb	.12	.15				
Paste, bbls. ....	.08	.10				
Borneol, 1 lb bot.....lb	...	3.50				
Bromide, see potash, bromide, etc.						
Bromine, bot. in 60 lb cs. wks..lb	...	.29				
Bromobenzene, 600 lb drums....lb	.40	.42				
Bromoform, USP 5 lb bot 50 lb cs. lb	...	1.50				
Bromostyrene, 25 lb kegs.....lb	4.00	4.25				
Brucine Sulfate, 100 ozs.....oz	...	.20				
Butter of Antimony, see Antimony Chloride						
CADMIUM, metal 100 lb bns....lb	1.15	1.25				
Bromide, 50 lb cases jars....lb	...	1.10				
Iodide, 10 lb bot.....lb	...	4.45				
Sulfide, cs. ....	1.50	1.60				
CAFFEINE ALK. USP 5 lb cans..lb	3.75	4.25				
Second Hands .....	lb	3.75				
Hydrochloride, 1 lb bot.....lb	7.12	7.32				
Sulfate, 1 lb bot.....lb	...	5.50				
Citrated, 25 lb cans....lb	3.00	3.25				
Hydrobromide, 1 lb bot.....lb	...	4.75				
CALCIUM Acetate, 150 lb bags, e/l wks. ....	100 lb	4.00				
Arsenate, 100 lb bbls. e/l wks. lb	.17	.19				
Bags. 1c/l wks. ....	lb	.18	.21			
Bromide, 100 lb cs. ....	lb	...	.45			
Calcium Carbide, 220 lb dr/c/l wks. lb	...	...	.04%			
Drums. 1c/l wks. ....	lb	...	.05			
Carbonate, tech. 100 lb bags e/l 100 lb	1.00	1.10				
USP, precip. 175 lb bbls..lb	...	.04				
Chloride, solid, 650 lb drs. e/l f.o.b. NY. ton	...	24.50				
Gran. 350 lb drs. e/l f.o.b. NY. ....	ton	30.50				
Carbon Tetrachloride, 1400 lb drs. NY .....	lb	...	.10%			
Flake 330 lb drs. e/l drs. f.o.b. NY .....	ton	30.50				
Anhyd., 350 lb drs. f.o.b. NY. lb	13	.20				
Glycerophosphate, 250 lb bbls..lb	1.55	1.60				
Hydrate, (see Lime)						
Iodide, 5 lb bot.....lb	...	4.35				
Lactate, tech. 500 lb bbls..lb	...	.13%				
Nitrate, 220 lb bbls. e/l NY. ton	...	40.00				
Phosphate, tech. 350 lb bbls. lb	.09	.10				
Phosphate, precip. tribasic 200 lb bbls. wks.....lb	.12	.13				
Phosphate, mono. ....	.07	.09				
Sulfocarbonate, 100 lb kegs....lb	.58	.60				
Calomel, see Mercury						
CAMPHOR, Amer. ref. 250 lb bbls. ....	lb	...	.96			
2½ lb slabs, 100 lb cs. ....	lb	...	.97			
1 lb cakes, 100 lb cs. ....	lb	...	.97%			
1 oz. tab., 1 lb ctms. ....	lb	...	1.01%			
100 lb drs. ....	lb	...				
½ oz. tab., 1 lb ctms. ....	lb	...	1.02			
Jap. ref. 2½ lb slabs, 100 lb cs. ....	lb	.88	.90			
1 oz. tab., 100 lb cs. 1 lb tins .....	lb	...	1.00			
½ oz. tab. 100 lb cs. 1 lb tins .....	lb	...	1.02			
Chinese ref. 2½ lb slabs 100 lb cs. ....	lb	...	.90			
Crude, 100 lb cs. ....	lb	.72	.73			
Camphor, Monobrom. 100 lb cs. lb	1.75	1.85				
Caramel. 50 gal. bbls.....gal	.60	.62				
Carbazol, 250 lb bbls. ....	lb	.75	.80			
Carbon Bisulfide, 500 lb drs. 1c/l NY. ....	lb	...	.07			
...	lb	...	.06			
Carbon Black, 12½ lb bags, wks. lb	.18	.35				
Drums, c/l NY. ....	lb	...	.09			
700 lb drs. single NY. ....	lb	...	.10%			
Carmine, No. 40 5 lb boxes....lb	4.50	4.60				
Casein, edib. 100 lb keg.....lb	.45	.50				
Technical, 200 lb bbls....lb	.16%	.18				
Castorum, 1 lb boxes....lb	4.00	4.50				
Castor Oil, USP 50 gal. bbl. ....	lb	...	.14%			
Cases, 50 lb 2 tins....lb	...	15				
Tech. see Fixed Oils						
Caustic Potash, see potash, caustic Soda, see soda, caustic						
Cerium Oxalate, USP 100 lb kgs. lb	.48	.53				
Chalk, drop 175 lb bbls....lb	...	.03%				
Precip. light 250 lb cans....lb	.04%	.04%				
Precip. heavy 560 lb cans....lb	.08%	.04				
Bulk ....	ton	5.00	8.00			
Precip. English, 7 lb bags....lb	...	.07%				
Charcoal, Bone, see bone black						
Wood, powd. 100 lb bbl. ....	lb	.04	.05			
Willow, powd. 100 lb bbl. ....	lb	.06	.07			
China Clay, imp. ....	ton	16.00	22.50			
Domestic, fob Mine. ....	ton	15.00	17.50			
Chloral Hydrate, USP 100 lb drs. lb	.75	.80				
25 lb jars ....	lb	.76	.81			
Chinodin, 170 lb cans....lb	...	.65	.75			
Chloramine-T, 5 lb bot.....lb	1.25	2.50				
Chlorosene, 5 lb bot.....lb	.55	.75				
Chlorhydrin, Ethylene anhyd, 600 lb drs. ....	lb	.75	.85			
40% soln. 100 lb drs. ....	lb	.25	.30			
CHLORINE, Liquid 2000 lb cyl. e/l wks. ....	lb	...	.05%			
Tank car lots wks. ....	lb	...	.05%			
100 lb cyl. e/l ....	lb	...	.06			
100 lb cyl. 1c/l wks. ....	lb	...	.07			
100 lb cyl. 1c/l ex-warehouse. lb	...	.09				
Chlorobenzene, mono. 1000 lb drs. ....	lb	...				
Dra. e/l wks. ....	lb	.11	.12			
Tank car lots wks. ....	lb	.10	.11			
CHLOROFORM, USP 50 lb drs. lb	...	.09				
Second Hands, 650 lb drs. ....	lb	.32	.34			
Technical, 650 lb drs. ....	lb	.32	.33			



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## Chemicals

Chromium Acetate, 20° soln. 400 lb bbls. ....	.08	: .10	COD LIVER OIL, Norwegian, 30 gal bbls. ....	25.00	: 26.00	Cyanamide, bulk c/l wks, Amm. unit bbls. ....	...	: 3.35
Fluoride, Powd. 400 lb bbls. ....	bbls. ....	: .30	Newfoundland, 30 gal bbls. ....	...	...	DIAMINOPHENOL, 100 lb kegs. ....	bbls. ....	: 3.80
Soln. 400 lb bbls. ....	bbls. ....	...	Colchicine alk., USP 1 oz. vial. ....	oz. ....	: 30.00	Dianisidine, 100 lb kegs. ....	bbls. ....	: 4.60
Sulfate, 400 lb bbls. ....	bbls. ....	.07	Salicylate, 1 oz. vial. ....	oz. ....	: 45.00	Dichlorobenzene, 1000 lb drs. ....	bbls. ....	: .97
Chrysarobin, USP 5 lb cans. ....	bbls. ....	2.00	Collodion, USP 30 lb drums. ....	bbls. ....	.22	Diethylaniline, 850 lb drs. ....	bbls. ....	: .65
Cinchonidin alk., pwd. 100 oz. tins. ....	bbls. ....	.70	Flexible, USP 30 lb drums. ....	bbls. ....	.27	Diethyl Phthalate, 25 lb cans. ....	bbls. ....	: .75
Crystal .....	oz. ....	.75	COPPER, metal electrolyte c/l	...		Diethyl Sulfate tech. 50 gal drs. ....	bbls. ....	: .20
Sulfate, 100 oz. tins. ....	bbls. ....	.49 1/2	NY .....	100 lb	15.00	CP drums. ....	bbls. ....	: .25
Cinchonine, alk., pwd. 100 oz. tins. ....	bbls. ....	.38	Lake, c/l NY. ....	100 lb	15.12	Digitalin, Pure, 1 oz. vial. ....	oz. ....	: 8.35
Crystal .....	oz. ....	.48	Casting, c/l NY. ....	100 lb	14.62	Dimethylaniline, 840 lb drs. ....	bbls. ....	: .43
Sulfate, 100 oz. tins. ....	bbls. ....	.25	Carbonate, 400 lb bbls. ....	bbls. ....	.19	Dimethylsulfate, 100 lb drs. ....	bbls. ....	: .50
Cinnamic Alcohol, see Alcohol Cinnamic			Chloride, 250 lb bbls. ....	bbls. ....	.30	Dimutrobenzene, 400 lb bbls. ....	bbls. ....	: .30
Cinnamic Aldehyde, 1 lb bot. ....	bbls. ....	3.20	Cyanide, 100 lb drs. ....	bbls. ....	.58	Dimutrochlorobenzene, 400 lb bbls. ....	bbls. ....	: .20
Citral, 25 lb cans. ....	bbls. ....	2.75	Iodide, 5 lb bot. ....	bbls. ....	.60	Dimutronaphthalene, 350 lb bbls. ....	bbls. ....	: .34
Citron Ointment, see Mercury			Oxide, 1000 lb bbls. ton lots. ....	bbls. ....	.20	Dimutrophenol, 350 lb bbls. ....	bbls. ....	: .40
Citronella, 1 lb bot. ....	bbls. ....	2.00	Sub-Acetate verd. 440 lb bbls. ....	bbls. ....	.35	Dimutrotoluene, 300 lb bbls. ....	bbls. ....	: .21
Citronella, 1 lb bot. ....	bbls. ....	8.00	SULFATE, crys. 450 lb bbls. le/l spot. ....	100 lb	5.60	Dionin, see Morphine, Ethyl		
Cobalt metal, 100 lb kegs. ....	bbls. ....	2.75	Carrots, bbls. f.o.b. NY. 100 lb	bbls. ....	5.70	Diphenylamine, 250 lb bbls. ....	bbls. ....	: .50
Cobalt Oxide, 500 lb bbls. ....	bbls. ....	...	Carrots, bbls. delivered. 100 lb	bbls. ....	5.60	Diphenylguanidine, 170 lb bbls. ....	bbls. ....	: 1.20
10 lb tins 200 lb cans. ....	bbls. ....	...	Imp. 550 lb cans. ....	100 lb	5.60	Diphenyloxide, 500 lb drums. ....	bbls. ....	: .90
COCAINE alk., USP, 1 oz. vial. ....	bbls. ....	11.00	Powdered. 350 lb 5 bbls. ....	bbls. ....	5.25	Dover's Powder, USP 5 lb tins. ....	bbls. ....	: 2.20
Hydrochloride, USP—1 oz. vial, 25 oz. ....	bbls. ....	7.07	Copperas, bulk c/l wks. ....	ton	20.00	Dobutine Sulfate, 1 oz. vial. ....	oz. ....	: 60.00
In 3/4 oz. vials. ....	bbls. ....	7.50	400 lb bbls. c/l wks. ....	ton	21.00	EARTH, Diatomaceous, see Kieselguhr		
In crystals, granular, powder, or flaky crystals as desired.			200 lb bgs. c/l wks. ....	ton	25.00	Emetine, alk., 15 gr. vials. ....	oz. ....	: 1.65
Cocoa Butter, bulk, 200 lb bals. ....	bbls. ....	.27 1/2	Powdered, bala. ....	100 lb	1.90	Hydchloride, USP 1 oz. vial. ....	oz. ....	: 19.00
Fingers, cakes, etc. 12 lb bxs. ....	bbls. ....	.34	Corn Syrup, 42 deg. 50 gal bbls. ....	100 lb	3.51	15 gr. vials. ....	oz. ....	: .90
CODEIN alk., 1 oz. vial. 10 oz. lots. ....	bbls. ....	...	43 deg. 50 gal. bbls. ....	100 lb	3.56	EPSOM SALT, tech. 300 lb bbls. NY. ....	100 lb	
Hydrobromide, 1 oz. vial. 10 oz. lots. ....	bbls. ....	8.62	Corrosive Sublimate, see Mercury Bichloride			Bbls. c/l NY. ....	100 lb	: 2.15
Hydrochloride, 1 oz. vial. 10 oz. lots. ....	bbls. ....	6.92	Cotton Soluble, 100 lb bbls. wet. ....	bbls. ....	1.40	100 lb bgs. c/l NY. ....	100 lb	: 2.00
Nitrate, 1 oz. vial. 10 oz. lots. ....	bbls. ....	7.77	Coumarin, 25 lb tins. ....	bbls. ....	4.50	Imp. 220 lb bgs. c/l	NY. ....	: 1.80
Phosphate, 1 oz. vial. 10 oz. lots. ....	bbls. ....	7.77	Second Hand. ....	bbls. ....	4.25	USP. 300 lb bbls. 10 bbls. 100 lb	bbls. ....	: 1.10
Salicylate, 1 oz. vial. 10 oz. lots. ....	bbls. ....	6.47	CREAM TARTAR, USP, 300 lb bbls. ....	bbls. ....	2.6%	Carrots, bbls. ....	100 lb	: 2.50
Sulfate, 1 oz. vial. 10 oz. lots. ....	bbls. ....	6.47	Imp. powd. USP, 224 bbls. ....	bbls. ....	.25	Imported, 400 lb bbls. 100 lb	bbls. ....	: 2.00
Small Sizes. 1/4 oz. vials. 50¢ extra, 1/4 oz. 25¢ extra, singles 7¢ extra per oz.—25 oz. lots. 10¢ on cheaper than above. Less than 10 oz. 15¢ on higher than above.	bbls. ....	6.92	Cresote, USP, 42 lb chys. ....	bbls. ....	.50	100 lb kegs. ....	100 lb	: 2.25
			Cresote Oil, 50 gal. drs. ....	gal. ....	.20	Ergotin, Bonjean, 1 lb jars. ....	bbls. ....	: 8.50
			Carbonate, 1 lb bot. 25 lb. ....	bbls. ....	1.80	Eserine alk., 1 oz. vial. ....	oz. ....	: 9.00
			Cresol, USP, 400 lb bbls. ....	bbls. ....	.35	Salicylate, USP 1 oz. vial. ....	oz. ....	: 30.00
						Sulfate, USP VIII, 1 oz. vial. ....	oz. ....	: 22.00
								: 17.00

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Alkaloid, Amerphous, 1 oz. vial.oz	... : 75.00	Acetate, white crystals 500 lb	... : .14	Lithium Carb. USP 100 lb kgs. lb	1.50 : 1.60
Hydrobromide, USP 1 oz. vial.oz	... : 60.00	bbls. wks. .... lb	... : .14 1/2	Bromide, 100 lb ... lb	1.70 : 1.80
Sulfate, 1 oz. vial.....oz	... : 35.00	White, broken, bbls. wks. 100 lb	... : 13.40	Citrate, USP 100 lb kgs. .... lb	1.60 : 1.70
INDOL, C. P. 1 oz. bot.....oz	8.50 : 8.00	White, gran. bbls. wks. 100 lb	... : 13.63	Iodide, 5 lb bot. .... lb	... : 5.40
Iodide, see Potash. Iodide, etc.		White, powd. bbls. wks. .... lb	... : .14%	Lithopone, 400 lb bbls. 1c/l wks. lb	.07 1/2 : .08
IODINE, crude, 200 lb kegs....lb	3.90 : 3.95	Kgs. .... lb	... : .15 1/2	Bhls. c/l wks. .... lb	.07 : .07
Resublimed, 10 lb jars....lb	... : 4.55	Brown, broken bbls. wks. .... lb	... : .12 1/2	Imported, 400 lb bbls. .... lb	.06 : .06 1/2
Tincture, USP, 50 gal. bbls. .... gal	4.50 : 4.60	USP, 100 lb kegs....lb	... : .25	Lithium Cubes ..... lb	.90 : 1.00
Carboxy ..... gal	4.75 : 4.85	Arsenate, 100 lb bbls. le/l wks. .... lb	... : .25	MAGNESITE, crude ..... ton	... : 15.00
Iodoform, powd. 10 lb bot. .... lb	... : 6.00	Bbls. c/l wks. .... lb	... : .26	Calcin'd, 500 lb bbls. .... ton	... : 55.00
Crystals, 10 lb bot. .... lb	... : 7.00	Paste, 600 lb bbls. .... lb	... : .12	Magnesium mtl. sticks 100 lb c/l	1.25 : 1.30
Iomone, (Violet) 1 lb bot. .... lb	5.00 : 9.00	Oxide, 100 lb bbls. .... lb	... : 11.15	Carb. tech. 70 lb bags NY. .... lb	.08 : .08 1/2
Iridium, metal 10oz lots....oz	... : 250.00	Nitrate, 500 lb bbls. wks. .... lb	... : .22	75 lb bbls. NY. .... lb	.08% : .09
Iron, metal by hydrogen 1 lb bot. .... lb	.65 : .70	Oxide, red 500 lb bbls. wks. .... lb	... : 11.65	USP, 60 lb bbls. .... lb	.10 : .11
IRON & ANN. CITRATE, USP 25 lb	cases	100 lb kegs. .... lb	... : .14%	USP, blocks 100 lb c/l, 2, 4	... : .38
cases	... : .84	Peroxide, 100 lb drs. .... lb	... : .26	oz. .... lb	.19 : .38
Green scales, 25 lb cases....lb	... : .84	White, basic carb. 500 lb bbls.		Chloride, fused 575 lb drs. c/l	
Acetodiate, 10 lb bot. .... lb	8.00 : 8.25	wks. .... lb	... : .09%	wks. .... ton	... : 34.00
Citrate, USP VIII 25 lb cases....lb	... : .90	Bbls. c/l wks. .... 100 lb	... : .09%	Flaked, 350 lb drs. wks. .... ton	... : 36.00
Chloride, see ferro or ferrous		100 lb kegs. .... lb	... : .14%	Imp., fused 900 lb bbls. NY. .... ton	26.00 : 28.00
Hypophosphite, 5 lb cans....lb	1.50 : 1.60	White, sulfate 500 lb bbls. wks. .... lb	... : .09%	Fluorocarbonate, crystals 400 lb bbls.	
Syrup, USP VIII.....lb	... : .80	Bbls. c/l wks. .... 100 lb	... : .925	wks. .... lb	... : .15
Iodide, 1 lb bot. .... lb	... : 4.20	Licorice Ext. Mass. cases....lb	... : .25	30% soln. 500 lb bbls. wks. .... lb	.07 : .07 1/2
Syrup, USP 5 lb bot. .... lb	.35 : .36	Compound powder, bbls. .... lb	... : .11	Soln. bbls. c/l wks. .... lb	... : .06
Nitrate, kegs....lb	.09 : .10	Powdered	... : .38	Glycerophosphate, 5 lb tins....lb	... : 3.85
Com'l, bbls. .... 100 lb	2.75 : 3.25	Sticks, 1 oz. 100 lb cases....lb	... : .45	Hypophosphite, 5 lb cans....lb	... : 1.15
Oxalate, scales 25 lb cans....lb	.80 : .82	LIME (Salts, see Calcium Salts)		Oxide, USP Light 100 lb bbls. .... lb	... : .45
& Ammon. Oxalate, 25 lb bxs. .... lb	.45 : .50	Live, 325 lb bbls. ton lots. wks. .... lb	... : .01%	USP, heavy 250 lb bbls. .... lb	... : .50
& Potassium Oxalate, 25 lb bxs. .... lb	.47 : .48	Single bbl. wks. .... lb	... : .01%	Peroxide, 5 lb cans....lb	... : 2.15
& Sodium Oxalate, 25 lb bxs. .... lb	.40 : .42	Hydrated, 167 lb bbl. ton lots. .... lb	... : .01%	Perborate, 1 lb tins....lb	... : 2.25
Phosphate, USP 25 lb cans....lb	... : .89	Wks. .... lb	... : .01%	Salicylate, 100 lb kegs....lb	... : .80
Pyrophosphate, USP 25 lb	cases....lb	Single bbl. wks. .... lb	... : .01%	Sulfate, see Epsom Salts	
cases....lb	.90 : .97	Oyster Shell, 150 lb bbl. single. .... lb	... : .03	Manganese Chloride, 600 lb c/l	
Iso-Eugenol, 1 lb bot. .... lb	4.25 : 5.00	125 lb bag. .... lb	... : .03	NY. .... lb	.09% : .10
JALAP RESIN, lump 5 lb cans....lb	3.25 : 3.35	Dra. dry 200 lb drs. NY. .... lb	... : .08	Borate, 30%, 200 lb bbls. .... lb	... : .36
Powd. tins....lb	3.40 : 3.50	33° Soln. 50 gal. bbls. NY. .... gal	... : .15	100 lb kegs. .... lb	... : .37
KIESELGUHR, 90 lb bags NY....ton	60.00 : 70.00	Linalool, 5 lb bot. .... lb	7.00 : 7.25	Dicloro, 80-84% 900 lb bbls.	
		Linalyl Acetate, 1 lb bot. .... lb	7.00 : 10.00	NY. .... ton	80.00 : 85.00
		Benzoate, 1 lb bot. .... lb	13.00 : 14.00	85-90%, 900 lb bbls. NY. .... ton	85.00 : 90.00
				Hydrated, precip. 100 lb kgs. .... lb	.32 : .35

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Potash Bicarbonate  
Soda Sulphide  
Tartaric Acid

Cable Address, FERGCOTRAV N. Y.

## Chemicals

Manganese—(continued)	
Glycerophosphate, 5 lb tins...	lb 3.05
Hypophos, USP VIII 5 lb cans...	lb 1.65
Iodide, 1 lb bot...	lb 6.40
Ore, bulk NY...	unit .40 : .45
Sulfate, 600 lb cans NY...	lb 10 : .11
Marble Flour, bulk...	ton 10.00 : 12.00
See also Calcium Carbonate	
MENTHOL, USP, 60 lb cases...	lb 10.00
Less cases, 5 lb tins...	lb 10.25 : 10.50
MERCURY, metal 75 lb flask...	flask 67.50 : 68.00
Less Flasks, 5 lb jugs...	lb 1.02 : 1.04
Bichloride, cryst. 25 lb kgs...	lb 1.17
Gran. powd., 200 lb kgs...	lb 1.02
Blissulfate, 25 lb boxes...	lb .88
Blue Mass, 25 lb boxes...	lb .62
Powdered, 25 lb boxes...	lb .64
Blue Ointment, USP 25 lb cans	
50%	lb .80
USP, dilute 25 lb cans 30%...	lb .62
33 1/3% Mercury...	lb .67
Calomel, 50 lb bxs...	lb 1.25
Citrine Ointment 25 lb jars...	lb .50
Iodide, green 25 lb jars...	lb 4.00
Red, USP 25 lb jars...	lb 4.10
Yellow, USP VIII 25 lb jars...	lb 4.00
Red Precip., USP 25 lb bxs...	lb 1.38
Powder, USP 25 lb bxs...	lb 1.48
White Precip., USP 25 lb bxs...	lb 1.49
Powder, USP 25 lb bxs...	lb 1.54
With chalk, USP 25 lb bxs...	lb .62
Meta-Nitroaniline, 300 lb bbls...	lb .78 : .80
Meta-Nitro-para-Toluidine, 300 lb bbls...	lb ... : 2.25
Meta-Phenylenediamine, 300 lb bbls...	lb .90 : .95
Meta-Toluylenediamine, 300 lb bbls...	lb .90 : .95

METHANOL (Wood Alcohol)	
95%, 50 gal. drms. ext...	gal 1.12 : 1.16
95%, 50 gal. drms. ext...	gal 1.14 : 1.17
Pure, 50 gal. drms. ext...	gal 1.30 : 1.35
Acetone free, 50 gal. drms. ext	gal 1.25 : 1.40
Bbls. incl. 5c higher	
Methyl Acetone, 100 gal. drms. gal	... : .95
Tanks cars	... : .90
Anthranilate, 1 lb bot...	lb 3.50 : 4.50
Chloride, 90 lb cyl...	lb .50
Cinnamate, 1 lb bot...	lb 4.00 : 4.50
Paracresol, 1 lb bot...	lb 8.00 : 9.00
Salicylate, USP, 50 lb cases...	lb .57 : .62
500 lb drms.	lb .55 : .60
Second Hands, cases...	lb ...
Methylene Blue, tech. 100 lb kgs...	lb 1.00 : 1.50
USP, medicinal 5 lb cans...	lb 2.25 : 2.60
Michler's Ketone, 225 lb bbls...	lb ... : 3.75
Milk, powd. 150 lb bbls...	lb .14 : .15
Milk Sugar, see sugar of milk	
Mineral Oil, see oil mineral	
Monochlorobenzene, see chlorobenzene	
Monochloraniline, 900 lb drs...	lb ... : 1.00
Monomethyl para-phenoxide sulfate	
100 lb drs...	lb ... : 4.00
MORPHINE Sulfate, USP 5 oz. tins	
10 oz.	oz. : 6.35
Acetate, 5 oz. tins 10 oz. lots	oz. : 6.35
Hydrobromide, 5 oz. tins 10 oz.	oz. : 6.35
Hydchloride, 5 oz. tins 10 oz.	oz. : 6.35
Diacetyl Alk., 1/2 oz. vls. 10 oz.	oz. : 10.20
Hydchloride, 1/2 oz. vls. 10 oz.	oz. : 9.25
Ethyl Hydchloride, 1/2 oz. vls. 10 oz.	oz. : 10.45
Small Sizes: 1/2 oz. vials, 50c extra;	
1/4 oz. 25c extra; single oz. vls., 75 extra,	
over price for 5 oz. tins. 25 oz.	
lots in 5 oz. tins, 10c oz. lower than	
above schedule. Less than 10 oz. lots	
15c oz. higher than above schedule.	
Musk Ambrette, 1 lb cans...	lb 14.50 : 16.50
Ketone, 1 lb cans...	lb 13.00 : 14.00
Xylene, 5 lb cans...	lb 2.75 : 3.00

NAPHTHA, Solvent, 110 gal. drs.	
Wks.	gal ... : .40
8000 gal. tank cars wks...	
gal	... : .35
NAPHTHALENE, Flake, 175 lb bbls.	
Wks.	lb ... : .07 1/2
Bbls. c/l wks...	lb ... : .07
Bbls. second hands NY...	lb .08 : .08 1/2
Balls, 250 lb bbls. wks...	lb ... : .08
Bbls. c/l wks...	lb ... : .07 1/2
Bbls. second hands NY...	lb .08 1/2 : .09
Crushed, bgs., wks...	lb ... : .06
Crude, imp., bgs...	lb .05 1/2 : .04
Nerolin, 1 lb time...	lb 1.75 : 3.00
Nickel Metal, electrolyte 100 lb	
kegs	lb ... : .30
Ingot, 100 lb kegs...	lb .29 : .32
Salt, single 400 lb bbls, NY...	lb .11 : .12
Double, 400 lb bbls, NY...	lb .10 : .11
Oxide, 100 lb kegs NY...	lb .40 : .42
Sulfate, 450 lb bbls...	lb .07 : .07 1/2
Nite Cake, bulk wks...	ton 6.50 : 8.00
500 lb bbls...	ton 9.00 : 9.75
Nitrobenzene, crude 1000 lb drs.	
wks.	lb .09 1/2 : .10 1/2
Redistilled, 1000 lb drs. wks. lb	lb .10 : .11
Nitromaphthalene, 550 lb bbls...	lb .20 : .21
Nitrotoluene, mixed 1000 lb drs.	
wks.	lb .14 : .15
Oil Fuel, see Fuel Oil	
OIL MINERAL, wh. 50 gal. bbls. gal	1.00 : 1.25
Oil Mirbane, see nitrobenzene	
Opium, see crude drugs	
Orange Mineral, 800 lb cans NY...	lb .15 1/2 : .16
500 lb bbls, NY...	lb .15 1/2 : .16 1/2
Ortho-Aminophenol, 50 lb kegs...	lb ... : 3.00
Ortho-Azulidine, 100 lb drs...	lb ... : ...
Ortho-Dichlorobenzene, 1000 lb drs.	
wks.	lb .06 : .08
Ortho-Nitrochlorobenzene, 1200 lb	
dr. wks.	lb .18 : .20
Ortho-Nitrophenol, 350 lb 3 bbls. lb	... : 1.25

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Potassium Thiocyanate  
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\*Copper Chloride, cupric—is an unusually high quality product for technical use; very free from cuprous and makes a clear solution. Test it out in every way.

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## Chemicals

Ortho-Nitrotoluene, 1000 lb drs. wks.	14 : .16	Para-Phenylenediamine, 350 lb bbls.	1.45 : 1.55	Phosphorus, red 110 lb ca. wks...lb	... : ...
Ortho-Toluidine, 350 lb bbls...lb	.09 : .16	Para-Toluene-Sulfonamide, 175 lb bbls.	.40 : .41	Imported, 112 lb cases...lb	... : ...
Oxgall, USP 5 lb bot.....lb	... : 3.00	Para-Toluene-Sulfonchloride, 410 lb bbls. wks.	.25 : .30	Yellow, 110 lb ca. wks...lb	.35 : .40
PALLADIUM, metal 10 oz. lots or 51.00 : 53.00		Para-Toluene-Sulfonchloride, 350 lb bbls. wks. lb	.90 : 1.00	Imported, 112 lb cases...lb	.30 : .35
Pancreatin, USP 5 lb bot.....lb	1.25 : 1.40	PARIS GREEN		Phosphorus Trichloride, 175 lb cyl.	... : .45
Papain, 1 lb bot.....lb	2.15 : 2.25	Arsenic Basic, 500 lb kegs...lb	.29 : .31	Phthalic Anhydride, 175 lb bbls. lb	... : .35
Paraffin, ref'd 200 lb ca. sinks 120-125 Deg. M. P.....lb	.08 1/4 : .03 1/4	Kegs, 100 lb...lb	.33	Pilocarpine Hydrochloride, USP 25 oz. lots, 1 oz. vials...oz	7.50
125-130 Deg. M. P.....lb	.04 : .04 1/4	Kits, 56, 28, 14 lbs...lb	.32	Nitrate ...oz	7.50
130-135 Deg. M. P.....lb	.04 : .04 1/4	Packages, 5 and 2 lbs...lb	.33	Single ounces ...oz	5.75
135-140 Deg. M. P.....lb	.05 : .06 1/4	Packages, 1 lb, 1/2, 1/4 lb...lb	.35	Alkaloid, 15 gr. vials...oz	.75
Para-Aminoacetanilid, 100 lb kegs	1.05 : 1.15	Paris White, see whiting, French		Piperazine Hydrate, 1 lb bot...lb	16.00
Para-Aminophenol, 100 lb kegs...lb	... : 1.40	Pepsin, USP 5 lb bot.....lb	2.25 : 2.50	Pitch, Coal-Tar, wks...ton 30.00 : 33.00	
Hydrochloride, 100 lb kegs...lb	... : 1.65	PETROLATUM, green 300 lb bbls. lb	.02 1/4 : .03	Plaster Paris, tech. 250 lb bbls. bbl	3.30
Para-Dichlorobenzene, 50-300 lb bbls. wks.	.17 : .20	Dark Amber 300 lb bbls...lb	.03 1/4 : .04	True Dental, 300 bbls...bbl	4.50
25-50 lb kegs	.18 : .22	Light Amber, 300 lb bbls...lb	.04 1/4 : .05	Platinum, metal soft 10 oz. lots...oz	116.00
Paraldehyde, 100 gal drs...lb	... : .35	Cream White, USP 300 lb bbls. lb	.07 : .07 1/2	Podophyllin, 5 lb bot...lb	5.00 : 5.25
Paraformaldehyde, USP 1000 lb ca. lb	.52 1/2 : .55	Lily White, USP, 300 lb bbls. lb	.09 : .09 1/2	Second Hands ...lb	... : ...
Para-Nitroacetanilid, 300 lb bbls.	.55 : .60	Snow White, USP, 300 lb bbls. lb	.13 : .13 1/2	POTASH, CAUSTIC, solid 88-92% 700 lb drs. wks...lb	.09 : .09 1/2
PARA-NITROANILINE, 300 lb bbls. wks. ton	.74 : .75	PHENOL, see also acid carbolic Open market, 950 lb drs...lb	.50 : .52	Imp., 88-92% 700 lb drs. NY. lb	.07 1/2 : .07 1/2
Para-Nitrochlorobenzene, 1200 lb drs. wks.	.21 : .30	240 lb des drs. wks...lb	.50	USP, by alcohol 5 lb cans...lb	.48 : .48
Para-Nitro-ortho-Toluidine, 300 lb bbls.	.27 1/2 : .28 1/2	Natural 240 lb des drs. wks...lb	... : ...	cases ...lb	.30 : .35
Para-Nitrophenol, 185 lb bbls...lb	.75 : .80	Imported, 336 lb des drs. wks...lb	... : ...	POTASSIUM Acetate, USP, 100 lb kegs	.28 : .29
Para-Nitromethylaniline, 120 lb bbls.	1.25 : 1.30	Phenolphthalein, USP 100 lb drs. lb	.55 : 1.50	Bicarbonate, crys. 220 lb bbls. lb	.08 : .09
Para-Nitrophenene, 350 lb bbls...lb	.50 : .60	5 lb cans, 100 lb lots...lb	1.55 : 1.60	Bichromate, crys. 900 lb casks wks...lb	.11 1/4 : .11 1/4
Para-oxo-Benzaldehyde, 100 lb kegs	1.50 : 1.60	Phenylacetalddehyde, dom, 1 lb bot...lb	8.00 : 11.00	Powd., 900 lb casks wks...lb	.18 : .18
Para-Phenetidin, 500 lb drs...lb	1.55 : 1.80	Imported ...lb	12.00 : 14.00	Binonolactate, 300 lb bbls...lb	.33 : .34
		Phenyl-Alpha-Naphthylamine 100 lb kegs	... : ...	Binisulfate, C.P. 5 lb cans...lb	.30 : .30
		Phenylethylalcohol, 1 lb bot...lb	8.00 : 9.00	100 lb kegs	.22 : .22
		Imported ...lb	8.50 : 10.00	Bromate, 100 lb ca. ...lb	.45 : .45
		Phosgene, 100 lb cylinders...lb	... : 1.00	BROMIDE, USP cryst. 450 lb bbls.	... : .26
		Phosphorus, red 110 lb ca. wks...lb	.35 : .40	Granular, 300 lb bbls...lb	... : .26
				Cases 100 lb ...lb	... : .27
				Imported, USP, 220 lb ca. ...lb	.18 : .19

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## Chemicals

## POTASSIUM—(Continued)

## CARBONATE, 80-85% calc.

800 lb cks.....lb	.06%	.08%
80-85%, hydrated, 800 lb. cks.....lb	.07%	.07%
90-95% casks.....lb	.07	.07%
95-98% casks.....lb	.07%	.07%
99% casks.....lb	.09%	.10
USP, 100 lb kegs.....lb	.11	.12
Chlorate, crys. 112 lb kgs. c/l wks.....lb	.08%	.08%
Imp: 112 lb kegs NY.....lb	.07%	.07%
Powd., 112 lb kgs wks.....lb	.08%	.08%
Imp. kegs NY.....lb	.07%	.07%
Pyrotechnic, fine powd. NY.....lb	.08	.09
USP, fine crys. 110 lb kegs NY.....lb	.08	.09
Citrate, USP 100 lb cans.....lb	.63	.66
Cyanide, 110 lb cases.....lb	.45	.50
Glycerophosphate, 75% Soln. 25 lb tins.....lb	1.65	1.70
Guaincol Sulfonate, 5 lb cans, 10 lb.....lb	1.50	1.75
Hypophosphite, 10 lb cans.....lb	...	.85
Iodide, USP, 100 lb cases.....lb	3.75	3.85
Second Hands, cases.....lb	...	3.65
Lactophosphate, 40z bot.....oz	...	.90
Metabisulfite, 300 lb bbls.....lb	...	.23
Imp., 300 lb bbls.....lb	.14	.16
Muriate, 80%, 200 lb bags, NY K <sub>2</sub> O unit.....	...	.68
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs.....lb	.40	.45
Perchlorate, 112 lb kegs.....lb	.09	.10
Permangan, USP, crys. 112 lb drs. lb	.16%	.18%
Prussiate, red, 100 lb bbls.....lb	...	.70
500 lb casks.....lb	...	.68
Prussiate, yellow, 500 lb casks. lb	.35	.36
Salicylate, 25 lb cans.....lb	.70	.72

## POTASSIUM—(Continued)

Sulfate, 200 lb bags, NY K <sub>2</sub> O unit	...	.93
USP, VIII, 100 lb kegs.....lb	.18	.20
Sulfocyanide, CP 25 lb jars.....lb	...	.70
Tartrate, neutral, 100 lb kegs. lb	...	.53
Titanium Oxalate, 200 lb bbls. freight allowed.....lb	...	.35
Pumice Stone, lump, 250 lb bbls. lb	.04%	.06
Lump, bags.....lb	.03%	.05
Powdered, 350 lb bbls.....lb	.02%	.03
Pyridine, 50 gal. drums.....gal	4.00	4.50
QUICKSILVER, see Mercury		
Quinidine Alk., 100oz tins.....oz	.70	.75
Sulfate, 100oz tins.....oz	...	.50
Quinidine, see Chiniodin		
QUININE SULFATE, USP, American, 100oz tins.....oz	...	.50
100oz lots, 1000oz lots.....oz	...	.57
Dutch, 100oz tins.....oz	...	.50
Java, 100oz tins.....oz	...	.50
Japanese, 100oz tins.....oz	...	.50
QUININE ALK., USP, 1000oz tins.....oz	...	.67
Acetate.....oz	...	.88
Arsenate.....oz	...	.88
Benzoate.....oz	...	.88
Bisulfate, USP.....oz	...	.50
Citrate.....oz	...	.62
Dihydchloride, USP.....oz	...	.66
Dihydropyridine.....oz	...	.68
Dicarbonate, 10oz tins.....oz	...	2.50
Ethyl Carbonate, 16 oz cans.....oz	...	.95
Ferrocyanide.....oz	...	.88
Formate.....oz	...	.85
Glycerophosphate.....oz	...	.88
Hydroiodide.....oz	...	.88
Hydrobromide, USP.....oz	...	.62
Hydrochloride, USP.....oz	...	.62
Hydrochlorosulfate.....oz	...	.66

## QUININE—(continued)

Hydchloride & Urea, USP.....oz	...	.88
Hypophosphite.....oz	...	.88
Lactate.....oz	...	.88
Phenolsulfonate.....oz	...	.74
Phosphate.....oz	...	.63
Salicylate, USP.....oz	...	.45
Tannate, USP.....oz	...	.88
Tartrate.....oz	...	.88
Valerate.....oz	...	.89
Small Sizes: 1oz vials or cans, 50oz lots, 5oz on extra; 5oz cans, 50oz lots 3oz on extra; 25oz cans, 50oz lots, 2oz on extra; single 1oz vials or cans, 5oz extra. All minor quinine salts sold and quoted basis 100oz lots in 100oz cans. Sulfate and bisulfate sold basis 100oz lots in 100oz cans. Smaller orders or containers extra as above schedule.		
R SALT, 250 lb bbls. wks.....lb	.55	.70
Red Lead, see lead oxide		
Red Precipitate, see mercury.		
Resorcin, see resorcinol.		
Resorcinol tech. 100 lb kegs.....lb	1.50	1.55
USP, 25 lb cans.....lb	2.25	2.35
Rochelle Salt, USP, 225 lb bbls. lb	...	.21
Imp. USP, 300 lb bbls.....lb	.19%	.20
Rosewater, triple, 5gal. demis.....gal	.90	1.10
Rotten Stone, lump imp., bbls. lb	.67	.69
Lump selected, bbls.....lb	.09	.12
Powdered, bbls.....lb	.02	.05
Domestic, bags, mines.....ton	24.00	30.00



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## Chemicals

SACCHARIN, USP, 1 lb cans, 25 lb	Soap, Castile, 40 lb bxs.....lb	.20	: .25	SODIUM ACETATE, crys 450 lb bbls
Soluble, USP, 1 lb cans, 25 lb. lb	Powd. USP, 250 lb bbls.....lb	.28	: .39	wks. .... lb .05½ : .05%
.90 : 2.00	Green, USP, 150 lb kegs.....lb	.07	: .07½	Ton lots, bbls. wks. .... lb .05½ : .05%
Safrol, 60 lb cans .....	Soapstone, see Talc, crude			Imp. 500 lb casks.....lb .05½ : .05%
.55 : .80				Aluminum Sulfate, see alum. soda.
Sal Ammoniac, see Ammon. Chloride				Benzoate, USP, 100 lb bags..lb .65 : .68
Salicin, USP, 1 lb cartons, 25 lb. lb	Prices on soda alkalies are based on actual			Bicarbonate, 400 lb bbls NY 100 lb .....
5.00 : 5.25	percentages and not N. Y. & L. test.			Bbls. c/l wks.....100 lb .....
Salol, USP, 100 lb drums.....lb	SODA ASH, 58% light bags NY			112 lb kegs wks.....100 lb .....
.85 : .90	flat, ex-warehouse.....100 lb ... : 2.00			112 lb kegs, NY.....100 lb .....
Salt, Common, see sodium chloride.	Bbls., ex-warehouse.....100 lb ... : 2.25			Chromate, 600 lb casks wks. .... lb .08½ : .08%
Salt Cake, c/l f.o.b. wks. ....ton	Contract, Basis 58% bags c/l			Casks, c/l wks. .... lb .08½ : .08%
... : 25.00	wks. ....100 lb 1.45 : 1.50			Casks, NY ..... lb .08½ : .08%
SALT PETRE, Double Refined	Prompt and spot, Basis 58% bags			Bisulfite, dry powder, 500 lb
Granular, 400-500 lb bbls.	c/l wks. ....100 lb 1.51 : 1.56			bbls. wks. .... lb ... : .04½
c/l wks. ....lb ... : .06½	Soda Ash, 58% dense, bags ex-			Wks. ....100 lb 1.25 : 1.75
Less c/l works bbls....lb ... : .06½	warehouse, NY .....100 lb ... : 2.07			Bromate, 100 lb cs. .... lb ... : 1.05
Large Crystals, 350-400 lb bbls.	Bbls., ex-warehouse.....100 lb ... : 2.30			Bromide, USP, 500 lb bbls....lb ... : .25
c/l wks. ....lb ... : .08	Contract, Basis 58% bags c/l			Cases, 100 lb ..... lb ... : .26
Small Crystals, 350-400 lb bbls.	wks. ....100 lb 1.51 : 1.51			Imp. USP, 112 lb cs. .... lb .21 : .22
c/l wks. ....lb ... : .07½	Pmpt. and spot, Basis 58% bags			Cacodylate, USP, 5 lb bot,
Powdered, bbls. c/l wks....lb ... : .07½	c/l wks. ....100 lb 1.56 : 1.62			25 lb ..... lb 6.00 : 6.25
Imported, 500 lb bbls, NY....lb ... : .07	SODA, CAUSTIC, 76% solid, rosie,			Carbonate, sal soda, 350 lb bbls
Santonin USP, 1 lb bot. ....lb 175.00 : 177.00	NY flat .....100 lb 3.50 : 3.60			1c/l NY .....100 lb 1.30 : 1.35
Powd. 1 lb bot. ....lb 176.50 : 178.50	76% solid drs. ex-warehouse			Wks c/l .....100 lb 1.10 : 1.30
Saponin, ex Quillaja, 5 lb tins...lb 1.25 : 1.56	NY .....100 lb ... : 3.70			Monohydrate, 400 lb bbl.
Schaeffer's Salt, 50 lb bbls.wks. ....lb .60 : .65	Contract basis 76% c/l wks.			1c/l .....100 lb ... : 2.45
Saponin, ex Quillaja, 5 lb tins...lb 1.00 : 1.25	100 lb ... : 3.16½			Pure photographic, 100 lb
Satin, White .....lb .01½ : .02	Pmpt and spot, Basis 60%			key ..... lb .08 : .09
Seldlitz Mixture, 225 lb bbls....lb .17 : .18	c/l wks. ....100 lb 3.25½: 3.29			Chlorate, 112 lb kegs, wks. .... lb .06½ : .07
SILICA	Contract 76% low grade c/l			Imported, 112 lb kegs. .... lb ... : .06½
Crude, bulk, mines.....ton 10.00 : 12.00	wks. flat .....100 lb ... : 3.35½			Chloride, tech. 200 lb bags....ton 12.00 : 13.00
Refined, floated, bags.....ton 18.00 : 30.00	Ground & flake, 76% pmpt and			C. P. 300 lb bbls.....lb ... : .05 : .06
Air floated, bags .....ton 32.00 : 50.00	spot, wks c/l drs. ....100 lb ... : 3.65			Citrate, USP, IX, 100 lb kegs. .... lb ... : .62
Extra, floated, bags.....ton 55.00 : 65.00	Contract, 76% drums, c/l wks			USP, VIII, 100 lb kegs. .... lb ... : .55
SILVER, metal, American....oz ... : .99%	flat .....100 lb ... : 3.80			Cyanide, 96-98%, 100 lb cases
Foreign .....oz ... : .65½	76% drs. ex-warehouse NY 100 lb ... : 4.15			wks. .... lb ... : .23
Colloidal, 16oz bot. ....oz ... : 2.80	USP, stick, 10 lb cans.....lb .19 : .21			Ton lots, wks. .... lb ... : .23
Silver Iodide, 16oz bot. ....oz ... : .68	Pure, stick, by alcohol.....lb .25 : .27			73-76%, 100 lb cases, wks. .... lb ... : .20%
Nitrate, USP, 200oz bot....oz .44½ : .45½				Imp. 128%, 200 lb cases. .... lb ... : .21½ : .22
Nucleinate, 16oz bot. ....oz .32 : .37				120%, cases ..... lb ... : .20 : .20%
Proteinate, 16oz bot. ....oz .34 : .39				Fluoride, 350 lb bbls, NY imp. .... lb ... : .09



### Soda Ash

Modified Soda      Bicarbonate of Soda

Caustic Soda      Special Alkali

Textile Soda

Manufactured and Sold by

**DIAMOND ALKALI COMPANY**

GENERAL OFFICES - PITTSBURGH, PA.

## Chemicals

## SODIUM—(Continued)

Glycerophos, USP, crys. 25 lb cans	1.70	: 1.75	
Powder, 25 lb tins	1.75	: 1.80	
Solution, USP 25 lb tins	1.00	: 1.05	
Hydroxide, see Soda Caustic			
Hypochlorite, Soln, 100 lb chys. lb	...	: .05	
14½% soln, 50 lb chys. lb	...	: .04	
Hydrosulfite, 200 lb bbls. 100, wks. lb	.19	: .22	
Hypophosphite, USP, 25 lb cans			
lb	...	: .75	
<b>HYPOSULFITE</b> , tech. pea crys.			
375 lb bbls. wks. 100 lb	2.90	: 3.30	
Bbls. c/l wks. 100 lb	...	: 2.75	
100 lb kegs wks. 100 lb	3.00	: 3.60	
Granulated, bbls. wks. 100 lb	3.15	: 3.55	
Bbls. c/l wks. 100 lb	...	: 3.00	
Kegs wks. 100 lb	3.25	: 3.85	
Regular crystals 100 lb	2.65	: 2.90	
Iodide, USP, 25 lb jars	...	: 4.25	
Metanilate, 150 lb bbls.	.55	: .60	
Naphthionate, 300 lb bbls.	.60	: .62	
Nitrate, crude, 95%, 200 lb bags c/l NY	...	: 2.40	
Futures, NY	100 lb	...	: 2.45
Double Refined, 400 lb bbls. gran. c/l wks.	...	: .04½	
Nitrite, 500 lb bbls. wks.	.07½	: .07½	
Bbls. spot, makers.	...	: .07½	
Imp. 650 lb casks	...	: .07½	
Ortho-Chloro-para-Toluene Sulfonate, 175 lb bbls. wks.	.25	: .27	
Oxalate, neutral, 100 lb kegs. lb	...	: .47	
Perborate, 275 lb bbls.	...	: .24	
Imp. 225 lb drs.	.18	: .19	
Peroxide, 200 lb cases	.25	: .27	
Phosphate, di-sodium, tech 550 lb bbls.	...	: .03½	
USP, gran. 275 bbls.	.03½	: .03½	
Imp. gran.	...	: .05½	
USP, recrys. 275 bbls.	.10	: .11	
Mono-sodium 100 lb kegs. lb	.24	: .26	
Tri-sodium tech. c/l. bbls. lb	.04½	: .05	
Picramate, 100 lb kegs.	...	: .60	

## SODIUM—(Continued)

Para-Toluene Sulfonate, 175 lb bbls	...	lb	.08	: .09
PRUSSIATE, yellow, 450 lb cans. lb	.15	: 15½		
250 lb bbls.	...	lb	...	: .16
Pyrophosphate, 100 lb kegs.	.18	: .22		
Salicylate, 100 lb kegs.	.47	: .57		
Second Hands, USP, kegs. lb	.48	: .50		
Silicate, 60° 700 lb bbls. f.a.s. NY	...	lb	...	: 2.00
Works, 1000 lb drums	...	lb	...	: 1.90
Works, tanks	...	lb	...	: 1.75
40° domestic, 700 lb c/l f.o.b. wks.	...	lb	...	: .80
Works, 1000 lb drums	...	lb	...	: .82½
Works, tanks	...	lb	...	: .75
Spot, drums, bbls.	1.30	: 1.50		
Silicofluoride, 450 lb bbls. NY. lb	.07½	: .07½		
Sulphate, see Glauber's Salt.				
Sulfide, 60% solid, 650 lb drs. lc/l wks.	...	lb	.05	: .05½
Drs. c/l wks.	...	lb	...	: .04½
Imp. 700 lb drs. NY.	...	lb	.03½	: .04
60% broken, 650 lb drs. wks. lb	...	lb	.05	: .05½
Imp. 500 lb drs. NY.	...	lb	.04½	: .04½
30% crys. 400 lb bbls. wks. lb	...	lb	.02½	: .02½
Imp., 400 lb bbls.	...	lb	.02½	: .02½
Sulfite, crys. 400 lb bbls. wks. lb	...	lb	.03½	: .03½
Dessicated, 400 lb bbls.	...	lb	.09½	: .10
Sulfocarbonate, USP, 100 lb kegs.	...	lb	.36	: .38
Sulfocyanide, 400 lb bbls.	...	lb	.45	: .47
Tungstate, crys 100 lb kegs. lb	...	lb	...	: .55
Dessicated, kegs.	...	lb	...	: .65
olvent Naptha, see Naphtha.				
Spartein Sulfate, USP, 25 oz. bulk. oz.	.60	: .70		
Single oz. vial	...	oz	...	: .60
Starch, rice, 140 lb bags. lb	.09	: .10		

## STRONTIUM Bromide, USP, 100 lb kegs

Carb. 600 lb bbls. wks.	...	lb	...	: .07
100 lb kegs. wks.	...	lb	...	: .08
Iodide, USP, 25 lb jars	...	lb	...	: 4.00
Nitrate, 600 lb bbls. wks.	...	lb	...	: 11½
Imp., bbls. NY.	...	lb	...	: 12½
Salicylate, USP, 100 lb kegs.	...	lb	...	: .85

## STRYCHNINE Alkaloid, USP, crys

1000 lbs. tins	...	lb	...	: 1.18
Alk. powd. USP	...	lb	...	: 1.65
Acetate	...	lb	...	: 1.05
Glycerophosphate, USP	...	lb	...	: 1.05
Hydrobromide	...	lb	...	: 1.05
Hydrochloride	...	lb	...	: 1.05
Hypophosphite	...	lb	...	: 1.15
Nitrate, USP	...	lb	...	: 1.05
Phosphate	...	lb	...	: 1.05
Sulfate, USP, crys. powd.	...	lb	...	: .84
Saccharinate	...	lb	...	: 2.15

strychnine preparations quoted bases

1000 lbs. lots in 1000s tins. Small Sizes;

½ oz. vials, 50c extra; ¾ oz. vials, 25c

extra; single ounce vials, 7c extra. Lots

of 25 oz. 5c higher than above

schedule. Lots of less than 25 oz.

10c higher per oz.

Sugar Milk, USP, 200 lb bbls.	...	lb	.21	: .22
Second Hands, USP, bbls.	...	lb	.23	: .24

Sulfonal, see Sulfonmethane.

Sulfonmethane, USP, 5 lb bxs.	...	lb	...	: 3.50
Sulfonethylmethane, USP, hxs 5 lb	...	lb	...	: 4.50

SULFUR, crude, bulk, c/l NY.	ton	...	...	: 19.00
Crude, f.o.b. mines	ton	14.00	...	: 15.00

Brimstone, 250 lb bags, c/l 100 lb	...	lb	1.75	: 1.95
Loss c/l bags NY	...	lb	1.85	: 2.10

Roll. 500 lb bbls. c/l NY. 100 lb	...	lb	...	: 2.15
Loss c/l bags NY	...	lb	2.20	: 2.45

Flour, Heavy, 290 lb bbls, 100 lb	...	lb	2.50	: 3.05
Light, 100%, 260 lb bbls, 100 lb	...	lb	2.60	: 3.15

Hubbermakers 100%, 240 lb bbls.	...	lb	...	: 3.15
bbls. NY	...	lb	2.60	: 3.15



Sales Agent

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Experience is the world's greatest teacher. Forty-one years ago we started manufacturing alkali products. This long experience has taught us how to maintain a standard of quality that is always "ahead."

SODA ASH  
CAUSTICIZED ASH

CAUSTIC SODA  
MODIFIED SODA

## Chemicals

## SULFUR—(continued)

Commercial, 99%, 150 lb bags	
NY ..... 100 lb	1.35 : 1.65
For Dusting, 99%, 100 lb	
bags NY ..... 100 lb	2.00 : 2.50
Flowers, 100%, 240 lb bbls	
NY ..... 100 lb	3.00 : 3.55
Precipitated, 125 lb bbls NY, lb	.14 : .18
Lac, 125 lb bbls NY, lb	.07 : .10
Sulfur Chloride, red, 700 lb drs	
wks ..... lb	.05 : .08
150 lb chya wks ..... lb	.05 : .08
Yellow, 700 lb drs. wks ..... lb	.05 : .08
150 lb chya. wks ..... lb	.05 : .08
Sulfur Dioxide, 100 lb cyl. lb	.08 : .08 1/2
Iodide, USP, VIII, 5 lb bot. lb	.45 : .55
Sulfuric Ether, see Ether.	
Sulfuryl Chloride, 600 lb drs	lb ... : .70
TALC, Italian, 220 lb bags NY, ton	35.00 : 40.00
Refined, white, bags ..... ton	42.00 : 55.00
French, 220 lb bags NY, ton	25.00 : 30.00
Refined, white, bags ..... ton	32.00 : 45.00
Dom., crude, 100 lb bags NY, ton	10.00 : 15.00
Refined, 100 lb bags NY, ton	18.00 : 25.00
Tartar Emetic, tech. 700 lb bbls, lb	.27 : .27 1/2
USP, 300 lb bbls ..... lb	.34 1/2 : .35 1/2
Terpin Hydrate, USP, 100 lb kegs	lb .70 : .72
Terpineol, CP 1000 lb drums	lb .50 : .55
Cans, 50 lb ..... lb	.55 : .57
Imported, cans, 25 lb ..... lb	1.00 : 1.25
Terpenyl Acetate, 25 lb cans	lb 1.65 : 1.85
Terra Alba, No. 1, 300 lb bbls	100 lb 1.85 : 1.90
No. 2, bbls ..... 100 lb	1.25 : 1.35
Theobromine Alk., 5 lb cans	lb ... : 6.00
and Soda Salicylate, 1 lb bot. lb	... : 4.00
Thiocarbanilid, 170 lb bbls	lb .28 : .30
Thymol, USP, 10 lb cans	lb 3.25 : 3.50
Iodide, 5 lb boxes	lb ... : 6.75
TIN, Metal Strips, NY, 100 lb	... : 40.62
American standard, NY, 100 lb	... : 40.12
99% American, NY, 100 lb	... : 39.75
C.P. mossy, 25 lb bxs NY, lb	... : ...

## Tin—(continued)

Bichloride, 50% soln 100 lb	
bbls. wks. ..... lb	... : .12 1/2
Crystals, 500 lb bbls. wks. ..... lb	... : .34 1/2
100 lb kegs, wks. ..... lb	... : .35
Oxide, 400 lb bbls. wks. ..... lb	... : .48
100 lb kegs wks. ..... lb	... : .50
Tetrachloride, 1000 lb drs. wks. lb	... : .26
Telluride, 350 lb bbls. ..... lb	.95 : 1.00
Sulfate, 350 lb bbls. ..... lb	... : 1.00
Toluene, 8000 gal tank cars, wks. gal	.29 : .30
110 gal drs. wks. ..... gal	.34 : .35
Tetraiodide, Mixed, 900 lb drs. wks. lb	.31 : .32
Tribromophenol, 100 lb cases	... : 1.00
Trional, see Sulfonethylmethane.	
Triphenyl Phosphate, 450 lb bbls. lb	... : .00
Tripoli, 500 lb bbls. ..... 100 lb	2.50 : 3.00
Tungsten NY ..... WO <sub>2</sub> unit	8.25 : 8.50
UREA, pharm 112 lb cases	... : .40
VANILLIN, USP, 4000 cans. .... oz	.41 : .41 1/2
Cans, 80 ozs. .... oz	... : .41 1/2
Cans, 16 ozs. .... oz	... : .42 1/2
Vermilion, Amer. 100 lb kegs	... : .35
English, kegs	... : 1.30
Veratrine Sulfate, 1oz. vials	... : 2.50
Hydrochloride, 1oz. vials	... : 2.50
Veronal, see Acid Diethylbarbituric	
WHITE LEAD, see lead, white.	
White Precipitate, see mercury.	
Whiting, 2000 lb bags, c/l wks. ton	14.00 : 16.00
Bags, 1/2 NY ..... ton	... : 22.50
Gilders, bags, NY ..... ton	13.50 : 15.00
French, bags, NY ..... ton	... : 18.00
English, bags, NY ..... ton	... : 23.00
Witch Hazel Extract, 50 gal bbls. gal	1.20 : 1.25

## XYLENE, 2° dist range, nitration

tsks. wks. ..... gal	
110 gal. drs. NY ..... gal	... : 1.00
5° dist. range, 8000 gal tanks	
wks. ..... gal	
110 gal. drs. wks. ..... gal	... : ...
Commercial, 110 gal drs. wks. gal	... : ...
Tanks, wks. ..... gal	... : ...
Xylylbenzene, 900 lb drs. ..... lb	... : .50
YARA YARA, 1 lb tins	... : 2.00
Yohimbine Hydrochloride, 1 oz. vials. oz.	7.00 : 7.50
ZINC, METAL, high grade, slab	
c/l NY ..... 100 lb	... : 9.00
Common Slabs, c/l NY. 100 lb	6.10 : 6.15
Mossy, 25 lb bxs. NY. .... lb	... : .18
Ammonium Chloride, powd., 400 lb	
bbls. ..... lb	... : .07 1/2 : .08
Carb. tech. 150 lb kegs. NY. lb	... : .18
USP, 100 lb kegs. .... lb	... : .30
Chloride, fused, 600 lb drs. wks. lb	... : .08
Drs. c/l wks. .... lb	... : .05 1/2
Imp. drs. NY. .... lb	... : .06 : .08
Granulated, 500 lb bbls. wks. lb	... : .08 : .09
Impregnated, drs. NY. .... lb	... : .06 1/2 : .07
USE, 25 lb jars	... : .25
Cyanide, 100 lb drs. .... lb	.42 : .43
Dust, 100 lb tins wks. .... lb	.09 1/2 : .10
500 lb bbls. kegs, c/l wks. .... lb	... : .09
500 lb bbls. kegs, c/l wks. .... lb	... : .08
Iodide, 25 lb botts. .... lb	... : 5.20
Nitrate, 25 lb jars	... : .35
Oxide, Amer. 300 lb bbls. wks. .... lb	.08 1/2 : .09
Bbls. c/l wks. .... lb	.08 1/2 : .08 1/2
French, 300 lb bbls. wks. .... lb	.10 : .12
Bags, c/l wks. .... lb	... : .10
USE, 100 lb bbls. c/l. .... lb	... : .16
Ton lots, wks. .... lb	... : .17
Imported, white seal, bbls. .... lb	... : .13
Green seal, bbls. .... lb	... : .10
USE, 100 lb bbls. .... lb	.15 : .17
Stearate, USP, 60 lb bbls. .... lb	... : .23
Sulfate, 400 lb bbls. wks. .... lb	.03 1/2 : .03 1/2
Bbls. c/l wks. .... lb	... : .02 1/2
USE, 100 lb kegs. .... lb	.08 : .09
Sulfocarbonate, 100 lb kegs. .... lb	.35 : .37



**SULPHUR**  
—  
SUBLIMED  
ROLL BRIMSTONE  
FLOWERS  
PRECIPITATED 100%  
LAC SULPHUR

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Estd. 1840 Incp. 1902  
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Pure Benzol  
Pure Toluol  
Benzol 90%  
Nitration Xylool  
Commercial Xylool  
Solvent Naphtha  
Extraction Benzols  
Denaturing Benzols  
Special Fractions of  
Coal Tar Light Oils

For shipment in tank cars or  
one hundred gallon drums.

The **Barrett** Company  
40 Rector Street  New York, N. Y.

## Oils and Fertilizers

## Oils

		Oils	
Caster, No. 1, 400 lb bbls....	lb	14 1/2	.15
80 lb case.....	lb	15 1/2	.16
No. 3. bbls.....	lb	14	.14 1/2
Blown, 400 lb bbls.....	lb	15	.15 1/2
China Wood, bbls, spec. NY....	lb	26 1/2	.27
8000 gal. tks. NY.....	lb	28	
July, Aug., forward, China.....	lb	25	
Coast, tanks, July forward.....	lb	23	
Coconut Ceylon, 375 lb bbls, NY. lb	lb	.09 1/2	
8000 gal. tanks, NY.....	lb	.08 1/2	
Cochin, 375 lb bbls, NY.....	lb	.10 1/2	.11
Tanks, NY.....	lb	.09 1/2	.09 1/2
Manila, tanks, P. Coast.....	lb	.08	
Edible, bbls, NY.....	lb	.10 1/2	.10 1/2
Cod Newfoundland, 50 gal. bbls, gal	lb	.70	.72
Tanks, NY.....	gal	...	...
Copra, bags.....	lb	...	.05 1/2
Corn, ref. 375 lb bbls, NY.....	lb	13 1/2	.13 1/2
Crude, tanks, mills.....	lb	.09 1/2	.09 1/2
Bbls, NY.....	lb	13	
COTTONSEED, crude, tks. mills, lb	lb	...	...
P. S. Y., 100 bbl. lots, NY.....	lb	11 1/2	
White, 100 bbl. lots, NY.....	lb	11 1/2	
Winter yellow, 100 bbls, NY.....	lb	11 1/2	
Degras, Amer., 50 gal. bbls, NY. lb	lb	.04 1/2	
English, bbls, NY.....	lb	.04 1/2	
Neutral, bbls, NY.....	lb	.09	.14
Grasses, chole white, bbls, NY. lb	lb	...	.08 1/2
Yellow.....	lb	...	.06 1/2
Brown.....	lb	...	.06 1/2
House.....	lb	...	.06 1/2
Bone naphtha.....	lb	...	.06 1/2
Herring, Tanks, Coast.....	gal	...	...
Horse, 375 lb bbls, NY.....	lb	10	
Lard, prime steam bbls.....	lb	11 1/2	
Compound, bbls.....	lb	12 1/2	
LARD OIL, Edible prime, bbls.....	lb	14 1/2	
Off prime, bbls.....	lb	12	
Extra bbls.....	lb	11 1/2	
Extra No. 1, bbls.....	lb	11	
No. 1 bbls.....	lb	10 1/2	
No. 2 bbls.....	lb	10	

		LINSEED, raw c/l bbls, spot....gal	
Five bbls, raw.....	gal	...	1.12
Boiled, 5 bbls, lots.....	gal	...	1.15
Double boiled 5 bbl. lots....gal	gal	...	1.17
Raw, 1c/l bbls.....	gal	...	1.15
July, Aug., Sept., c/l bbls, gal	lb	1.04	1.08
Imported, bbls, NY.....	lb	1.05	1.08
Tanks, NY.....	lb	1.04	1.05
Menhaden, crude, bbls, wks.....	gal	...	...
Crude, tanks wks. Balt.....	gal	.48	.50
Light strained, tanks.....	gal	...	...
Light strained, bbls, NY.....	lb	.80	.81
Yellow bleached, bbls, NY.....	lb	.82	.83
Blown, bbls, NY.....	lb	.90	.91
Neatsfoot, 20° c.t. bbls, NY.....	lb	...	.18 1/2
30° cold test, bbls, NY.....	lb	15 1/2	.15 1/2
Prime, bbls, NY.....	lb	...	.14 1/2
Oleo Oil, No. 1, bbls, NY.....	lb	...	.11 1/2
No. 2, bbls, NY.....	lb	...	.10 1/2
No. 3, bbls, NY.....	lb	...	.09 1/2
OLIVE, denatured bbls, NY.....	gal	1.15	1.17
Edible, bbls, NY.....	gal	1.80	2.20
Foots, bbls, NY.....	lb	.07 1/2	.08
Shipments.....	lb	...	.08 1/2
Palm Lagos, 150 lb casks.....	lb	.07	.07 1/2
Niger casks.....	lb	.07	.07 1/2
Bonny old Calabar, casks.....	lb	...	...
Palm Kernel, 1500 lb casks, NY.....	lb	.09 1/2	.09 1/2
Peanut, refined bbls, NY.....	lb	.18 1/2	.17
Crude, mills buyers, tks.....	lb	...	...
Crude, bbls, NY.....	lb	.12	.12 1/2
Perilla, bbls, NY.....	lb	.19 1/2	.18 1/2
June, ship, bbls, NY.....	lb	.15 1/2	.16
Poppyseed, bbls, NY.....	gal	2.20	2.20
Rapeseed, refined bbls, NY.....	lb	.84	.85
Blown, bbls, NY.....	lb	...	1.00
Red Oil, distilled, bbls.....	lb	.09 1/2	.10
Saponified, bbls.....	lb	.09 1/2	.10
Salmon, 8000 gal. tks. Coast.....	gal	...	...
Sesame, domestic edible bbls.....	gal	1.00	1.05
Sod Oil, bbls, NY.....	gal	...	.45

		SOYA BEAN, crude tks. Coast....lb	
Crude, Tks. D.P., NY.....	lb	...	.09 1/2
Crude, bbls, NY.....	lb	.12	.12 1/2
Sperm, 38° c. t. blchd, bbls, NY. gal	gal	...	.99
45° cold test, blchd, bbls, NY. gal	gal	...	.94
STEARIC ACID, s.p. 200 lb bags, lb	lb	.12 1/2	.13 1/2
Double pressed, bags.....	lb	.13	.13 1/2
Double pressed, bags, saponified, lb	lb	.13	.13 1/2
Triple pressed, bags, distilled, lb	lb	.14 1/2	.15
Triple pressed, bags, saponified, lb	lb	.14 1/2	.15
Stearins, olive, bbls.....	lb	...	.08 1/2
Lard, bbls.....	lb	...	.13
Tallow, edible, tapers.....	lb	...	.09 1/2
City extra, loose.....	lb	...	.06 1/2
Tallow Oil, acidized tks, NY.....	lb	...	.05 1/2
Bbls, c/l NY.....	lb	...	.10 1/2
Walnut, crude bbls, NY.....	lb	...	...
Whale, nat. winter bbls, NY.....	lb	...	.79
Blchd. winter bbls, NY.....	gal	...	.81
Extra Blchd, bbls, NY.....	lb	...	.83
Crude, No. 1, tanks Coast.....	lb	...	...
Crude, No. 2, tanks Coast.....	lb	...	...
Crude No. 3, tanks Coast.....	lb	...	...

## Fertilizer Materials

		Fertilizer Materials	
Ammon. Sulf. bulk wks.....	100 lb	...	3.20
Double lbs, f.a.s. NY.....	100 lb	3.50	3.60
Blood, dried f.o.b. NY.....	unit	...	3.75
Bone, 3 & 50 ground steamed, ton	ton	...	28.00
Raw, Chicago.....	ton	...	30.00
Cyanamide wks.....	unit	2.20	2.25
Fish Scrap, dried wks.....	unit	...	4.00
NITRATE SODA, NY.....	100 lb	...	2.40
Phosphate Rock, f.o.b. mines,			
Florida pebble, 68-78%.....	ton	3.25	5.50
Tennessee, 70-75%.....	ton	3.25	3.40
Phosphate Acid, 16% Bulk wks, ton	ton	...	9.00
Potassium Muriate, 80%.....	unit	...	.88
Sulfate.....	unit	...	.93
Steamed Bone Meal, NY.....	ton	...	35.00
Tankage, ground, NY.....	unit	...	3.50
High grade f.o.b. Chicago.....	unit	...	3.25



## Hydrochloric Acid, C. P.

Spec. Grav. 1.178-1.183 6 lbs.

## THE STANDARD OF PURITY

Acidity	35-36% HCl
Fe	.00001%
H <sub>2</sub> SO <sub>4</sub>	.00025%
Free Cl	"Nil"
As	Trace
Nonvolatile	.0002%

GENERAL CHEMICAL COMPANY  
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Works: GARFIELD, N. J.

## Tannins and Dyestuffs

## Naval Stores

## (Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.	gal	.98
Wood Turpentine, sm. distd. bbls.	gal	.95
Destructive distilled, bbls.	gal	.68
Pine Oil, sm dist'd, bbls.	gal	.70
Pitch, prime	bbl	6.00
Rosina. (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb.)		
B.	280 lb	5.80
D.	280 lb	5.85
E.	280 lb	5.85
F.	280 lb	5.95
G.	280 lb	5.95
H.	280 lb	5.95
I.	280 lb	6.00
K.	280 lb	6.00
M.	280 lb	6.00
N.	280 lb	6.25
WG.	280 lb	6.75
WW.	280 lb	7.50
Rosin Oil, first run, 50 gal. bbls.	gal	.47
Second run, bbls.	gal	.49
Tar, kiln-burnt	bbl	13.50
Retort	bbl	12.50

## Woods

Barwood, chips	lb	.04 1/2	.05
Camwood, chips	lb	.09	.13
Divi Divi, pods 100-200 lb bags.	ton	38.00	40.00
Fustic, sticks	ton	30.00	35.00
Chips	lb	.04	.06
Hemlock, bark	ton	...	20.00
Hypernic, chips	lb	.06 1/2	.07
LOGWOOD, sticks	ton	28.00	30.00
Chips 150 lb bags	lb	.02 1/2	.03
Mangrove bark, African	ton	...	33.00
Bark, South American	ton	25.00	30.00

Myrobalans, 150 lb bags	J1	ton	33.00
B1		ton	35.00
J2		ton	27.00
Nutgalls, see Crude Drugs.			
Oak bark, whole		ton	20.00
Ground		ton	25.00
Quercitron bark, rough		ton	10.00
Ground		ton	20.00
Sumac, Sicily, 160 lb bags		ton	80.00
Virginia, 150 lb bags		ton	35.00
Valonia Cups, 28-33% tan.	ton	34.00	36.00
Beard, 40% tan, 150 lb bags	ton	56.00	
Wattle bark, 150 lb bags		ton	35.00

## Extracts

Range of prices includes quality range for large quantity.

Ammato, fine	lb	.16	.29
Archil, double 600 lb bbls.	lb	.16	.18
Triple, 600 lb bbls.	lb	.17	.19
Cone, 600 lb bbls.	lb	.18	.20
Chestnut, clarified, 25% tks. wks.	lb	.02 1/2	.02 1/2
Bbls., wks.	lb	.02 1/2	.03
Powd., 60% 100 lb bbls. wks.	lb	.05	.05 1/2
Decoritized, bbls. wks.	lb	.08	.09
Cudbear, English	lb	.21	.23
Cutch, Rangoon, 100 lb bales	lb	.13	.16
Borneo, 100 lb bales	lb	.04 1/2	.05 1/2
Liquid, 450 lb bbls.	lb	.10	.11
Tablets, 120 lb boxes	lb	.13	.14
Flavine	lb	.90	.95
Fustic, solid 50 lb boxes	lb	.14	.18
Crystals, 100 lb boxes	lb	.22	.24
Liquid, 51%, 600 lb bbls.	lb	.10	.14
Gal extract	lb	.10	.18
Gambier, 25% liq. 450 lb bbls.	lb	.08 1/2	.09 1/2
Common, 200 lb cases	lb	.10 1/2	.11
Singapore cubes, 150 lb bags	lb	...	
HEMATINE, Paste, 500 lb bbls.	lb	.11 1/2	.13 1/2
Crystals, 400 lb bbls.	lb	.16	.20
Hemlock, 25% 600 lb bbls. wks.	lb	.03 1/2	.03 1/2
Hypernic, 51%, 600 lb bbls.	lb	.15	.20
Indigo, Madras bbls.	lb	.85	.90
Manilla, bbls.	lb	...	1.30

Larch, 25%, 600 lb bbls. wks.	lb	.03 1/2	.03 1/2
Powd. 100 lb bags, wks.	lb	.07 1/2	.08
Logwood, 51%, 450 lb bbls.	lb	.07 1/2	.12 1/2
Solid, 50 lb boxes	lb	.15	.31
Madder, Dutch	lb	.28	.30
Mangrove, 55% 400 lb bbls.	lb	.03 1/2	.04
Myrobalans, 25% liquid bbls.	lb	.04	.05
50% solid, 50 lb boxes	lb	.04 1/2	.05
Oak, tanks wks.	lb	.04	.04 1/2
23-25% liq. 600 lb bbls. wks.	lb	.05	.05 1/2
Osage Orange, 51% liquid	lb	.07	.08
Powd. 100 lb bags	lb	.14	.15
Persian Berries	lb	.27	.30
QUEBRACHO, 35% liquid tks.	lb	.03 1/2	.04
450 lb bbls.	lb	...	.04 1/2
35% bleaching 450 lb bbls.	lb	.04 1/2	.05 1/2
Solid, 65% 100 lb bales	lb	.05	.05 1/2
Clarified bales	lb	...	.06
Quercitron, 51% 450 lb bbls.	lb	.06 1/2	.07 1/2
Powdered, 100 lb boxes	lb	.09	.18
Spruce, 25% liquid tanks wks.	lb	.01	.01 1/2
Powd. 50% 100 lb bags wks.	lb	.02	.02 1/2
Sumac, liquid 450 lb bbls.	lb	.07	.09

## DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs.	lb	1.10	1.13
Blood, domestic, 100 lb drs.	lb	.45	.55
Spray Yolk 150 lb cs.	lb	.45	.65
British Gum, 140 lb bags	c/l 100 lb	...	4.24
Bags, lc/l	100 lb	...	4.34
Dextrin, corn 140 lb bags	c/l 100 lb	...	3.79
Bags, lc/l	100 lb	...	3.89
Potato, 140 lb bags c/l	100 lb	...	3.84
Bags, lc/l	...	...	.07
Tapioca, 200 lb bags, lc/l	...	...	.09 1/2
Prussian blue	lb	.60	.62
Sago Flour, 150 lb bags	lb	...	.04 1/2
STARCH, powd. 140 lb bags c/l 100 lb	...	...	3.22
Rags lc/l	100 lb	...	3.32
Pearl, 140 lb bags c/l 100 lb	...	...	3.12
Potato, domestic, 200 lb bags	lb	.04 1/2	.05
Imported, bags duty paid	lb	.05	.05 1/2
Tapioca Flour, high grade bags	lb	.06	.06 1/2
Medium grade, bags	lb	.05	.05 1/2
Low grade, bags	lb	.04 1/2	.04 1/2
Turkey Red Oil, bbls.	lb	.11	.12
Yolk Oil, bbls.	lb	...	...

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## Crude Drugs

## Crude Drugs

	BALSAMS		
Acetone Gum, yel., . . . . .	lb	.18	: .20
ACONITE Leaves, bales . . . . .	lb	.16	: .17
Aconite Root, USP, bags . . . . .	lb	.38	: .40
Agar Agar, 1, 200 lb bales . . . . .	lb	...	: 1.45
No. 2, bales . . . . .	lb	...	: 1.85
No. 3, bales . . . . .	lb	...	: 1.90
Agar, white, cases . . . . .	lb	...	: ...
Almonds, bitter bags bxs . . . . .	lb	.32	: .35
Sweet, bags . . . . .	lb	.45	: .46
Meal, tins, boxes . . . . .	lb	.28	: .30
Alitris Root, bags . . . . .	lb	.55	: .57
Alkanet Root, bags . . . . .	lb	.08	: .10
Aloes, Barbados, 120 lb bbls . . . . .	lb	.65	: .70
Cape, 400 lb cases . . . . .	lb	.09	: .10
Curacao, 100 lb cases . . . . .	lb	.08	: .08 1/2
Socotrina, whole 100 lb cases . . . . .	lb	.30	: .32
Althea Root, cut cases . . . . .	lb	.20	: .22
Whole bags . . . . .	lb	.09	: .10
Ambergis, black boxes . . . . .	cs	...	: 8.00
Grey, boxes . . . . .	cs	...	: 28.00
Ammoniac, tears, bags . . . . .	lb	1.35	: 1.40
Angelica Root, dom, bags . . . . .	lb	.14	: .15
Angostura Bark, bags . . . . .	lb	.08	: .10
Aunie, Levant bags . . . . .	lb	.17	: .17 1/2
Star, cases . . . . .	lb	.14	: .15
Spanish, bags . . . . .	lb	.27	: .28
Anatto Seed, bags . . . . .	lb	.11 1/2	: .12
ARABIC GUM, . . . . .			
White, No. 1, 200 lb bags . . . . .	lb	.26	: .28
Seconds, 250 lb bags . . . . .	lb	.24	: .26
Sorts, amber, 200 lb bags, bxs . . . . .	lb	.14 1/2	: .14 1/2
Powd., USP, 300 lb bbls . . . . .	lb	.22	: .23
Areca Nuts, 150 lb bags . . . . .	lb	...	: .09
Powd., 200 lb bbls . . . . .	lb	...	: .12
Arnica Flowers, bales . . . . .	lb	.08	: .08 1/2
Root, bags . . . . .	lb	.20	: .22
Arrowroot, Amer. powd. bbls . . . . .	lb	.06 1/2	: .09 1/2
St. Vincent, powd. bbls . . . . .	lb	.14	: .15
Asafoetida, USP, 250 lb cases . . . . .	lb	.25	: .28
Powd. 50 lb bxs . . . . .	lb	.50	: .53
BALM GILEAD BUDS, bags . . . . .	lb	.42	: .44
Balmous Herb, bales . . . . .	lb	...	: .14

Cupalha, Para, 80 lb cs . . . . .	lb	.23	: .25	American (no assay) bales . . . . .	lb	.80	: .85
South American, 80 lb cs . . . . .	lb	.28	: .29	U.S.P. . . . .	lb	1.70	: 1.85
Fir Canada, cans . . . . .	gal	13.00	: 14.00	Cantharides, Chinese cases . . . . .	lb	1.05	: 1.10
Oregon, bbls., cans . . . . .	gal	3.25	: 3.40	Powd. boxes . . . . .	lb	1.25	: 1.35
Peru, 120 lb cases . . . . .	lb	1.75	: 1.80	Powdered, boxes . . . . .	lb	1.75	: 1.90
Tolu, 90 lb cases . . . . .	lb	1.25	: 1.35	Caraway Seed, African, bags . . . . .	lb	1.90	: 2.00
Bamboo Brier Root, bags . . . . .	lb	.06	: .07	Dutch, 110 lb bags . . . . .	lb	.25	: .26
Barberry Bark, tree bales . . . . .	lb	.22	: .24	Cardamom bleached cases . . . . .	lb	1.40	: 1.75
Bayberry Bark, bales . . . . .	lb	.11	: .14	Decorticated, cases . . . . .	lb	1.10	: 1.15
Wax, bbls. . . . .	lb	.28	: .30	Green, grinding, bags . . . . .	lb	.90	: 1.05
Belladonna Leaves, bales . . . . .	lb	.17	: .17 1/2	Carnauba Wax, Flor. bags . . . . .	lb	.52	: .53
Root, bags . . . . .	lb	.11	: .12	No. 1 N Country bags . . . . .	lb	.42	: .45
Bees Wax, white bbls. . . . .	lb	.36	: .37	No. 2 N Country bags . . . . .	lb	.24	: .26
Yellow, refined bbls. . . . .	lb	.23	: .26	No. 3 Fatty Gray, bags . . . . .	lb	.19 1/2	: .20
Crude, bags . . . . .	lb	.20	: .22	No. 3 Chalky, bags . . . . .	lb	.19 1/2	: .20
Benzoin Gum, Siam, boxes . . . . .	lb	1.15	: 1.20	Cascara Amara, 150 lb bales . . . . .	lb	.30	: .33
Sumatra, 80 lb boxes . . . . .	lb	.30	: .32	Cascara Sagrada, bales . . . . .	lb	.14	: .15
Berberis Aquifolium Root, bags . . . . .	lb	.16	: .17	Cascara Bark, quills bales . . . . .	lb	.30	: .35
Beth Root, bags . . . . .	lb	.22	: .25	Siftings, bbls. . . . .	lb	.20	: .25
Blackhawk Bark, root, bales . . . . .	lb	.40	: .42	Cassia Buds, 66 lb cases . . . . .	lb	.14	: .15
Tree, bales . . . . .	lb	.24	: .25	China, select, mats cases . . . . .	lb	.07	: .07 1/2
Blood Root, bags . . . . .	lb	.13	: .15	Saigon, assort. bales . . . . .	lb	.24	: .27
Blueflag Root, bags . . . . .	lb	.23	: .26	Cassia Fistula, baskets . . . . .	lb	...	: .12
Bolfo Leaves, bales . . . . .	lb	.20	: .21	Castor Beans, bags . . . . .	lb	.03	: .03 1/2
Bonest Herb, bales . . . . .	lb	.08	: .10	Castoreum, 1 lb bot. . . . .	lb	4.00	: 4.50
Borage Flowers, bales . . . . .	lb	.20	: .22	Catcoca Gum, bags . . . . .	lb	.09	: .10
Bryonia Root, bags . . . . .	lb	.10	: .11	Catnip Herb, bales . . . . .	lb	.12	: .15
BUCHU LEAVES, short, 250 lb				Celery Seed, 220 lb bags . . . . .	lb	.21 1/2	: .23 1/2
halves . . . . .	lb	.90	: .95	Cereus Wax, white bags . . . . .	lb	.08 1/2	: .09
less, bales . . . . .	lb	1.00	: 1.05	Yellow, 200 lb bags . . . . .	lb	.07 1/2	: .08
Long, bales . . . . .	lb	...	: ...	CHAMOMILE FLOWERS, Roman			
Buckthorn Bark, bales . . . . .	lb	.07	: .08	bales . . . . .	lb	...	: 1.75
Burdock Root, bags . . . . .	lb	.20	: .22	Hung. cases bales . . . . .	lb	.13	: .13 1/2
Burgundy Pitch, dom, 110 lb stands				Charcoal Willow, powd. bbls. . . . .	lb	.06	: .06 1/2
Gross for net . . . . .	lb	...	: .05	Wood, powd. bbls. . . . .	lb	.04	: .05
Calabar Beans, bags . . . . .	lb	.13	: .14	Chestnut Bark, bags . . . . .	lb	.07	: .08
Calamus Root, bleached cases . . . . .	lb	.42	: .47	Herb, bales . . . . .	lb	.06	: .06 1/2
Unbleached, bags . . . . .	lb	.07	: .08	Chicle Gum, bags . . . . .	lb	.75	: 1.00
Calendula Petals, imp. bales . . . . .	lb	.36	: .36	Chireta, bales . . . . .	lb	.10	: .12
Calisaya Bark, bales . . . . .	lb	.22	: .23	Cinchona Bark, red quills bales . . . . .	lb	.55	: .60
Camphor, see Chemicals				Broken, bales . . . . .	lb	.24	: .26
Canary Seed, Morocco bags . . . . .	lb	.06	: .06 1/2	Cinnamon, Ceylon, bales, bnd. . . . .	lb	.20	: .22
South American, bags . . . . .	lb	.05 1/2	: .05 1/2	Civet, Abyssin. horns . . . . .	lb	2.75	: 3.75
Candellia Wax, bags . . . . .	lb	.24	: .27	Clover Tops, bags . . . . .	lb	.15	: .16
Canella Alba Bark, bales . . . . .	lb	.51	: .53	Cloves, Zanzibar, 135 lb bales . . . . .	lb	.30	: .31

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## Crude Drugs

Cochineal, USP, boxes.....	lb .35	: .37	Dogwood Bark, Jamaica bags.....	lb .11	: .13	Grindelia Robusta Herb, bales.....	lb .09	: .10
Coca Leaves, Huancos bags.....	lb .	...	Flowers, bales.....	lb .	...	Guaiac Gum, 80lb cases.....	lb .35	: .37
Truxillo, bags.....	lb .40	: .45	Dopgrass Root, USP, cut bags.....	lb .12	: .15	Guarana, tins, cases.....	lb .60	: .75
Cohosh Root, Black bags.....	lb .09	: .09 1/2	Dragons Blood, mass cases.....	lb .55	: .60	GUM, see Arabic Gum, etc.		
Blue, bags.....	lb .18	: .19	Reeds, boxes.....	lb 1.40	: 1.45	<b>HELEBORE ROOT,</b>		
Colechicum Root, bags.....	lb .08	: .09	<b>ECHINACEA ROOT, bags.....</b>	lb .38	: .34	Black, bbls.....	lb .08	: .10
Seed, bags.....	lb .10	: .11	Elecampane Root, bags.....	lb .08 1/2	: .09	Powdered.....	lb .13	: .15
Colombe Root, whole bags.....	lb .02	: .04	Elder Flowers, bales.....	lb .19	: .20	White, Pwd. 250lb bbls.....	lb .16	: .17
Colecynth, apples, cases, bales.....	lb .17	: .22	Elm, Gum, 5lb bundles cases.....	lb .25	: .26	<b>Helonias Root, (unicor false)</b>		
Pulp, USP, bales.....	lb .35	: .38	Grinding, bags.....	lb .10	: .12	bags.....	lb .	: .65
Coltsfoot Leaves, bags.....	lb .06	: .07	Powdered, bbls.....	lb .18	: .19	Hemp Seed, Manchurian bags.....	lb .03 1/2	: .04
Comfrey Root, bags.....	lb .13	: .14	<b>ERGOT, 150-200lb bags.....</b>	lb .51	: .55	Chilian, bags.....	lb .	: ..
Condurango Bark, bales.....	lb .14	: .15	Eucalyptus Leaves, bales.....	lb .	...	Henbane Leaves, bales, USP.....	lb .35	: .40
Conium Seeds, bags.....	lb .	: .16	Euphorbium Gum, cases.....	lb .	...	No assay.....	lb .30	: .35
Copaiba Balsam Para, see Balsams			Euphorbia Pilulifera Herb, bags.....	lb .	...	Henna Leaves, bales.....	lb .15	: .17
Copal Gum.....	lb .12	: .15	Flax Seed, whole 180lb bbls.....	ea 18.00	: 18.50	Powdered.....	lb .17	: .18
Coriander Seed, Bombay bags.....	lb .05	: .07	Ground, 180lb bbls.....	lb .07 1/2	: .08	Honey, Calif., 120 lb cases.....	lb .10	: .10 1/2
Morocco, bags.....	lb .11	: .12	Fennel Seed, French, bags.....	lb .16 1/2	: .17	Hops, N. Y. prime bales.....	lb .18	: .20
Bleached, bags.....	lb .15	: .16	German, bags.....	lb .19	: .21	Pacific Coast prime bales.....	lb .16	: .18
Corn Silk, bales.....	lb .05 1/2	: .06	Indian, bags.....	lb .12	: .13	Horehound Herb, bags.....	lb .	: .11
Cotton Root Bark, bales.....	lb .30	: .35	Flax Seed, whole 180lb bbls.....	ea 18.00	: 18.50	Horetail Rush, bags.....	lb .	: .16
Cramp Bark, so-called bales.....	lb .44	: .48	Ground, 180lb bbls.....	lb .07 1/2	: .08	India Gum, see Karaya		
True, bags.....	lb .	: .	Foenugreek Seed, 200lb bags.....	lb .07	: .08	<b>INSECT FLOWERS, open whole</b>		
Cranesbill Root, bags.....	lb .10	: .11	Fish Berries, 100-125lb bags.....	lb .02 1/2	: .04	bales.....	lb .	: ..
<b>CUBER BERRIES, XX bags.....</b>	lb .82	: .85	Fringe Tree Bark, bags.....	lb .17	: .18	Closed whole, bales.....	lb .	: ..
Powdered, boxes.....	lb .	: .85	<b>GALANGAL ROOT, bags.....</b>	lb .08	: .09	Powdered, pure 200lb bbls.....	lb .60	: .64
Culvers Root, bags.....	lb .30	: .33	Gambier, Gum, bags.....	lb .09 1/2	: .10 1/2	Flowers and stems, 50 p. c. ....		
Cumin Seed, Levant bags.....	lb .	...	Galbanum Gum, cans.....	lb .120	: 1.35	200lb bbls.....	lb .42	: .43
Morocco, bags.....	lb .25	: .28	Powdered, cases.....	lb .102	: 1.05	Ipecac Root, Caragena, bags.....	lb .175	: 1.80
Cuttlefish Bone, Trieste, straps.....	lb .16	: .18	Camphor Gum, 180lb cases.....	lb .110	: 1.15	Powdered, 200lb bbls, boxes.....	lb .190	: 2.00
Jewelers, large, straps.....	lb .	: .	Gelsemium Root, bags.....	lb .11	: .11 1/2	Rio Whole, bags.....	lb .180	: 1.90
Small, straps.....	lb .	: .	Gentian Root, bags.....	lb .08 1/2	: .09	Powdered, 200lb bbls, boxes.....	lb .195	: 2.00
French, straps.....	lb .17	: .19	Ginger, African, bags.....	lb .13 1/2	: .14	Isinglass, American, 130lb cs.....	lb .65	: .70
Powdered, boxes.....	lb .	: .	Jamaica, grinding, bags bbls.....	lb .35	: .40	Russian (Beluga) box citrus.....	lb .500	: 7.50
Broken, bags.....	lb .07	: .08	Japan, bags.....	lb .14	: .14 1/2	<b>JABORANDI LEAVES, bales.....</b>		
Cochin, ABC & lemon, bags.....	lb .15	: .15	Cochin, ABC & lemon, bags.....	lb .15	: .15 1/2	Powdered, USP, 250lb bbls.....	lb .17	: .19
Dammar Gum, 136lb cases.....	lb .32	: .34	Ginseng Root, cultivated, bags.....	lb .80	: 10.00	Jalap Root, whole, 150lb bags.....	lb .31	: .35
Damiana Leaves, bales.....	lb .11	: .12	Northwestern Wild, bags.....	lb .14.00	: 15.00	Powdered, USP, 224lb cases.....	lb .40	: .42
Dandelion Root, Imp., bags.....	lb .16	: .17	Southern Wild, bags.....	lb .10.00	: 12.00	Japan Wax, 224lb cases.....	lb .17	: .18
Deer Tongue Leaves, bales.....	lb .09	: .10	Golden Seal Root, bags.....	lb .3.30	: 3.55	Job's Tears, white bags.....	lb .08	: .09
Digitalis Leaves, bales.....	lb .07	: .08	Powdered, boxes.....	lb .3.60	: 3.85	Juniper Berries, 25lb bags.....	lb .03	: .03 1/2
Dill Seed, bags.....	lb .09 1/2	: .10	Grains of Paradise, bags.....	lb .12	: .14	<b>KAMALA, boxes.....</b>	lb .190	: 2.00

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LADY SLIPPER ROOT, bags....	lb .50	.52	Musk, pods Cabardine, tins....	lb 16.00	: 17.00	Patchouli Leaves, bales....	lb .22	.25
Larkspur Seed, bags.....	lb .31	.35	Tonquin .....	lb 22.00	: 25.00	Pepper, black Sing. bags....	lb .10	.10%
Laurel Leaves, bales.....	lb .05	.05%	Grain Cab. ....	lb 25.00	: 26.00	White, bags.....	lb .13	.14
Lavender Flowers, Ordinary....	lb .20	.25	Tonquin .....	lb 35.00	: 38.00	Peppers, red Mombasa bags....	lb .24	.26
Selected .....	lb .30	.34	Synthetic, see Chemicals			Cherries, bags.....	lb .16	.17
Leeches, tubs.....	Per 100	7.00	Musk Root, Russian bags....	lb ...	...	Bombay, bags.....	lb .15	.15%
Lemon Peel, bags.....	lb .09	.10	Mustard Seed, Bari, brown bags....	lb .08%	.09	Japan, bags.....	lb .28	.30
Licorice Root, Russian whole....	lb .07	.08	Bombay, brown .....	lb .07	.08	Pennyroyal Herb, bales....	lb .08	.12
Spanish, natural bales....	lb .08	.09%	California, brown .....	lb .09	.09%	Peppermint Leaves, Imp. bales....	lb .27	.35
Powdered, bbls.....	lb .10	.11	Yellow .....	lb ...	.09	Domestic leaf .....	lb .27	.29
Selected, 2 & 5 lb bundles....	lb .17	.20	<b>NUTGALLS</b> , Chinese bags....	lb .04	.04%	Peru Balsam, see Balsams		
Cuttings, 125 lb bags....	lb .07	.08	Chinese, yellow .....	lb .05%	.09	Pichi Leaves, bags.....	lb .23	.25
Life Everlasting Herbs, bales....	lb .05	.06	English, yellow .....	lb .09	.09%	Pimento, select bags....	lb .04	.04%
Lime Juice, clarified bbls....	lb .50	.60	Dutch, yellow .....	lb .05%	.09	Pink Root, true bags....	lb ...	.120
Linden Flowers, with leaves, bales lb	.17	.18	Danish, yellow .....	lb .05%	.09	Pitch, Burgundy, see Burgundy Pitch		
Without Leaves, bales....	lb .35	.36	Myrrh Gum, select 200 lb cs....	lb .38	.40	Pleurisy Root, bags.....		
Liverwort Leaves, bales.....	lb .20	.22	Sorts, cases .....	lb .36	.38	Plantain Leaves, bales.....	lb ...	.15
Lobelia Herb, bales.....	lb .20	.21	<b>OAK BARK</b> , red bags....	lb .05	.06	Poke Berries, bags.....	lb ...	.15
Lobelia Seed, bags.....	lb .55	.60	White, bags.....	lb .06	.07	Poke Root, bags.....	lb ...	.07%
Lovage Root, Imported, bags....	lb .25		Olbanum Gum, sift 280 lb cases....	lb .10	.11	Pomegranate Bark, of root bags....	lb ...	.30
Lupulin, boxes.....	lb 1.40	1.50	Tear, 280 lb cases....	lb .13	.14	Or Fruit, bags.....	lb ...	.36
Domestic .....	lb 1.30	1.40	No. 1, all white, 280 lb cases....	lb .21	.22	Of tree .....	lb ...	.30
Lycopodium, 38 lb c....	lb .43	.45	Opium, gum USP cases....	lb ...	8.00	Poppy Flowers, red bags....	lb .25	.27
<b>MACE</b> , Siam, No. 1 cases....	lb .44	.45	Granular, cans .....	lb ...	9.00	Poppy Seed, Dutch, bags....	lb .11	.12
Banda, No. 1 cases....	lb .50	.52	Powdered, USP cans....	lb ...	9.00	German, bags.....	lb .11	.13
Batavia, cases.....	lb .38	.39	Orange Flowers, cases .....	lb ...	1.00	Turkish, bags.....	lb .06	.08
Malva Flowers, blue bales....	lb .27	.30	Orange Peel, bitter bags....	lb .07	.07%	Blue Indian, bags.....	lb .08	.08%
Black, bags .....	lb .65	.75	Verona, bags .....	lb .05	.06	White Indian, bags.....	lb .07	.07%
Manna, large flake cases....	lb .56	.58	Fingers, cases .....	lb .05	.06	Prickly Ash Bark Southern, bags....	lb .14	.14%
Small flake, cases....	lb .28	.30	Ozokerite Wax, brown, hard bags....	lb .22	.24	Northern, bags.....	lb ...	.16
Sorts, cases .....	lb .27	.30	Green, hard bags....	lb .35	.36	Prickly Ash Berries, bags....	lb .11	.13
Mandrake Root, bags....	lb .18	.19	Refined, yellow bags....	lb ...	...	Pine's Pine, bales.....	lb .14	.15
Mastic Gum, 120 lb cases....	lb .65	.70	<b>PAPRIKA</b> , bags .....	lb .17	.24	Pulsatilla Herb, bags.....	lb .25	.27
Mezereon Bark, bags....	lb .11	.12	Hungarian .....	lb .27	.37	Pumpkin Seed, bags.....	lb .14	.16
Matico Leaves, bales....	lb .20	.22	Parreira Brava Root, bags....	lb .19	.20	<b>QUASSIA CHIPS</b> , bags.....	lb .07	.08
Majoram Leaves, German bales....	lb .17	.18	Parsley Seed, bags....	lb .08	.08%	Queen of the Meadow Herb, bags....	lb ...	.08
French, bales .....	lb .14	.14%			Quince Seed, bags.....	lb 1.00	.15	
Millet Seed, dom. yellow bags....	lb .08	.05			<b>RAPE SEED</b> , South Amer. bags....	lb .07	.07%	
Montan, Wax, crude bags....	lb .04	.04%			Dutch, bags.....	lb .08	.08%	
Bleached .....					Japanese, small, bags.....	lb .08	.08%	
Moss, Iceland bales....	lb .05	.09			Raspberries, dried boxes....	lb .35	.40	
Irish, bleached bales....	lb .09	.10			Red Saunders .....	lb .17	.19	
Mullein Flowers, tins....	lb ...				Rhatany Root, bags.....	lb ...	.10	

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[JULY 4, 1923]

## Crude Drugs

Rose Petals, cases bales	.28	: .30	Snake Root, Canada natural bags, lb	.32	: .33	Tragacanth Gum, No. 1, ribbon, 200 lb	1.50	: 1.55
Rose Petals, pale	.22	: .25	Stippled, bags	... : .55		No. 2 to No. 6, cases	1.00	: 1.50
Red	...	: .60				Powdered, 50 lb boxes	1.00	: 1.50
Rue Herb, bales	.30	: .35	<b>SOAP BARK, whole, 150-200 lb</b>			Turkish, cases	.75	: .90
<b>SABADILLA SEED, bags</b>	.12	: .12 1/2	bales	.07 1/2 : .08		Alpey, bags	.07 1/2 : .08	
Powder, bbls	.16	: .17	Cut, 125-175 lb bags	.09 : .09 1/2		China, bags	.07 : .07 1/2	
Saffron Flowers, Amer. bales	1.08	: 1.15	Crushed, 200 lb bbls	.09 1/2 : .10		Turmeric Root, Madras bags	.09 1/2 : .09 1/2	
Valencia, 1 lb cans	40.50	: 41.00	Powdered, 200 lb bbls	.12 : .14				
Sage, Dalmatian bales	.05 1/2	: .06 1/2	<b>Spearwort Leaves, American bales</b>	.23 : .24				
Greek, bales	.03 1/2	: .04	Spermacti, blocks cakes cases	.36 : .37				
Spanish, bales	.03	: .03 1/2	Spikenard Root, bags	.15 : .16				
Sandalwood, chips bags	...	: .30	Spruce Gum, boxes	1.00 : 1.50				
Ground, bags	...	: .35	Squaw Vine, bales	...	: .17			
Sandarac Gum, 300 lb bbls	.23	: .25	Stavesacre Seed, bags	.28 : .29				
Sarsaparilla, Honduras, bales	.61	: .65	Stone Root, bags	.09 : .10				
Mexican, bales	.33	: .36	Storax, Liquid artif.	.70 : .75				
Sassafras Bark, ordinary bales	.12	: .14	Gen. USP	.90 : 1.00				
Select, bales	.22	: .28	St. Ignatius Beans, bags	.22 : .23				
Savory Leaves, bales	.09 1/2	: .10	St. John's Bread, bags	.04 : .06				
Saw Palmetto Berries, bags	.09	: .10	Stramonium Leaves, bales	.07 : .07 1/2				
Scammony Resin, boxes	1.15	: 1.25	Stramonium Seed, bags	.12 : .13				
Scammony Root, bags	.06 1/2	: .07	Tamarind, bbls	...	: .07 1/2			
Seneca Root, bags	.64	: .65	Kombé, bags	.30 : .35				
<b>SEUNNA, Alex. 150 lb cases</b>	.30	: .31	Sunflower Seed, domestic bags	.07 : .07 1/2				
Half Leaf, 350 lb bales	.17	: .20	South American, bags	.05 1/2 : .07				
Siftings, 400 lb bales	.11	: .13	<b>TAGALDER BARK, bags</b>	...	: .05			
Powdered, 200 lb bbls	.12	: .13	Tamarind, bbls	...	: .07 1/2			
Tinnewelly, Job, 350 lb bales	.11	: .13	Kegs	...	: .07 1/2			
Grinding, 350 lb bales	.05	: .08	Tansy Herb, bales	.14 : .15				
Powdered, 200 lb bbls	.08	: .08 1/2	Tar, Barbados, 50 gal. bbls	1.60 : 1.75				
Pods, 350 lb bales	.06	: .06 1/2	Thun Gum, 280 lb bbls	...	: .05 1/2			
Serpentaria Root, bags	.80	: .85	Thyme, Spanish bales	...	: .11			
Shellac, T.N., bags	.62	: .64	French, bales	...	: .08			
Superfine Orange, bags	.66	: .70	Tillis. See Linden	...				
D. C. bags	...	: .89	Tolu Balsam, see Balsams	...				
V. S. O. cases	...	: .89	Tonga Bark, bags	.30 : .31				
Pwd. reg., 350 lb bbls	.75	: .77	Tonka Beans, Angostura, cases	2.00 : 2.10				
Regular Bleached, 350 lb bbls	...	: .79	Para, cases	.80 : .85				
Bone, Dry, 350 lb bbls	...	: .73	Surinam, cases	.85 : .95				
Simaruba Bark, bales	.09	: .10						
Sideritis Herb, cut bags	...	: .18						
Skulicap Leaves, bales	...	: .28						
Sloe Berries, bags	.03	: .04						

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## Essential Oils

Almond Bitter USP	5 lb. bots.	lb. 3.50	: .375
Bitter ff PA	5 lb. bots.	lb. 3.50	: .375
(See Benzaldehyde—Chemicals)			
Sweet	56 lb. cans	lb. .34	: .36
Peach Kernel	55 lb. tins	lb. .25	: .27
Apricot, see Peach Kernel			
Amber, crude	25 lb. tins	lb. .70	: .80
Rectified	25 lb. tins	lb. .90	: 1.00
Angelica Root	1 lb. bot.	lb. 38.00	: 39.00
Seed	1 lb. bot.	lb. 36.00	: 38.00
ANISE, Tech.	66 lb. case	lb. .45	: .50
USP	50 lb. tins	lb. .52 1/4	: .55
Bay	25 lb. tins	lb. 2.50	: 2.60
Bergamot	25 lb. coppers	lb. 2.60	: 2.70
Artificial	25 lb. cans	lb. 2.00	: 2.25
Birch Tar, rect.	5 lb. bot.	lb. 1.10	: 1.15
Crude	50 lb. tins	lb. .60	: .65
Bois de Rose	25 lb. tins	lb. 2.50	: 2.65
Cade, USP	25 lb. tins	lb. .35	: .40
USP	5 lb. bot.	lb. .45	: .50
Cajuput, native	50 lb. tins	lb. .30	: .35
Calamus	5 lb. bot.	lb. 4.35	: 4.75
Camphor, heavy	1000 lb. drums	lb. .11 1/4	: .12
Japanese, white	72 lb. cases	lb. .13 1/4	: .15
White	1000 lb. drums	lb. .13	: .15
Cananga, Native	25 lb. tins	lb. 2.25	: 2.50
Rectified	25 lb. tins	lb. 2.50	: 2.75
Caraway, USP		lb. 7.25	: 7.50
Cardamom, USP	1 lb. bot.	lb. 20.00	: 22.00
Carrol	5 lb. bot.	lb. 12.00	: 13.00
CASSIA	75-80 p.c. 66 lb. cases	lb. . . .	: . . .
Redistilled	USP 50 lb. cans	lb. 3.00	: 3.10
Cedar Leaf	50 lb. tins	lb. 1.10	: 1.20
Cedar Wood, light	1000 lb. drums	lb. .26	: .28
Celery, 1 lb. bot.		lb. 8.50	: 9.00
Cinnamon, Ceylon	1 lb. bot.	lb. 11.00	: 12.50
Leaf	5 lb. bot.	lb. . . .	: 2.00
CITRONELLA	Ceylon, 1000 lb. drs.	lb. .70	: .71
50 lb. tins		lb. .72	: .74
Java	400 lb. drums	lb. . . .	: .85
50 lb. tins		lb. . . .	: .87 1/2
Cloves, USP	50 lb. cans	lb. 1.95	: 2.00
6 lb. bot.		lb. 2.00	: 2.10

Copaiba, USP	50 lb. tins	lb. .35	: .40	
Coriander, USP	1 lb. bot.	lb. 18.75	: 19.75	
Croton, USP	25 lb. tins	lb. 1.00	: 1.10	
Cubeba, USP	5 lb. bot.	lb. 6.00	: 6.25	
Cumin, 1 lb. bot.		lb. 15.00	: 20.00	
Dill, 1 lb. bot.		lb. 4.75	: 5.00	
Eriigeron	20 lb. tins	lb. .90	: 1.00	
56 lb. ca.		lb. .47 1/2	: .50	
500 lb. drums		lb. . . .	: 45 1/2	
Fennel, USP	25 lb. tins	lb. 1.10	: 1.20	
Geranium, Algerian	25 lb. tins	lb. 8.00	: 8.50	
Bourbon	25 lb. tins	lb. 6.75	: 7.00	
Turkish	28 lb. tins	lb. 4.75	: 5.00	
Ginger, 1 lb. bot.		lb. 5.75	: 6.00	
Gingergrass, 28 lb. tins		lb. 2.75	: 3.00	
Hemlock, 50 lb. cans		lb. . . .	: 1.30	
Juniper Berries	25 lb. tins	lb. 1.25	: 1.35	
Wood	50 lb. tins	lb. .60	: .70	
Lavender, USP	28 lb. tins	lb. 2.75	: 3.50	
Spike, Spanish 50 lb. cans		lb. .70	: .80	
LEMON	ITAL, USP	25 lb. tins	lb. .80	: .90
American	USP	25 lb. tins	lb. .75	: .80
Lemongrass, native	50 lb. cans	lb. .80	: .85	
Limes, express	25 lb. tins	lb. 1.70	: 1.80	
Distilled		lb. .80	: .90	
Linaloe, Mex.	30 lb. cases	lb. 2.15	: 2.35	
Mace, distilled	50 lb. tins	lb. . . .	: .80	
Mirbane, ref. see Ar. Chemicals				
Mustard, USP	1 lb. bot.	lb. . . .	: 17.00	
Artif.	USP	5 lb. bot.	lb. 2.25	: 2.50
Neroli, Bigarade	1/2 and 1 lb. bot.	lb. 75.00	: 100.00	
Petale, 1 lb. bot.		lb. 90.00	: 115.00	
Artificial	1 lb. bot.		lb. 10.00	: 25.00
Nutmeg, USP	25 lb. tins	lb. . . .	: .90	
Orange, bitter	25 lb. tins	lb. 2.75	: 3.00	
Sweet, W. Ind.	25 lb. tins	lb. 2.75	: 3.00	
Italian	25 lb. cop.	lb. 3.90	: 4.50	
American	25 lb. tins	lb. 3.30	: 3.40	
Origanum, 50 lb. cans		lb. .30	: .35	
Parley, 1 lb. bot.		lb. 3.50	: 4.00	
Patchouli, 5 lb. bot.		lb. 8.00	: 8.50	
Pennyroyal, dom	25 lb. tins	lb. 1.95	: 2.25	
Imported	25 lb. tins	lb. 1.75	: 1.90	
PEPPERMINT, nat.	60 lb. cases	lb. 2.65	: 2.80	
Redist.	USP	60 lb. cases	lb. 2.90	: 3.05
Petit Grain, S. Am.	25 lb. tins	lb. 1.65	: 1.75	
French	1 lb. bot.		lb. 6.50	: 7.00
Pimento, 25 lb. tins		lb. . . .	: 1.85	
Pinus Sylvester	25 lb. tins	lb. . . .	: 1.75	
Pumilio	USP	25 lb. tins	lb. . . .	: 3.75
Rose, Fr. S.	16 & 32 oz. pigs.	lb. . . .	: 9.00	
Bulg.	8, 16 & 32 oz. pigs.	lb. 5.50	: 6.00	
Artificial	1 lb. bot.		lb. 2.00	: 3.00
Rosemary, USP	27 1/2 lb. tins	lb. .45	: .48	
1000 lb. drums		lb. . . .	: 42 1/2	
Tech.	27 1/2 lb. tins	lb. .40	: .45	
Rue, 1 lb. bot.		lb. . . .	: 4.25	
Sandalwood, E. Ind.	USP	76 lb. cases	lb. 7.70	: 7.85
W. Indian, (Amyris)	25 lb. tins	lb. 3.75	: 3.90	
Sassafras, USP	50 lb. cans	lb. 1.00	: .45	
Savin, 5 lb. tins		lb. 3.25	: 3.50	
Artificial	63 lb. cans	lb. 2.50	: 2.60	
Spearmint, USP	60 lb. cases	lb. 2.50	: 2.60	
Spruce	50 lb. tins	lb. . . .	: 1.30	
Tamie Amer.	25 lb. tins	lb. 7.00	: 7.25	
Tar, 50 gal. bbls.		lb. .24	: .25	
Refined	USP	25 lb. tins	lb. . . .	
Thyme, red, USP	25 lb. tins	lb. 1.00	: 1.10	
White, USP	25 lb. tins	lb. 1.10	: 1.15	
Crude	110 lb. drums	lb. .85	: .90	
Vetiver, Bourbon	1 lb. bot.	lb. 5.50	: 6.00	
Java, 1 lb. bot.		lb. 22.00	: 24.00	
Wine, heavy	1 lb. bot.		lb. 2.75	
WINTERGREEN,				
Sweet, 25 lb. tins		lb. 2.00	: 3.00	
Gaultheria, true	25 lb. tins	lb. 4.00	: 7.00	
Synthetic	USP	50 lb. cases	lb. .57	: .62
Wormseed Bals.	USP	25 lb. tins	lb. 7.25	: 7.50
Wormwood, dom.	25 lb. tins	lb. 6.50	: 6.75	
Ylang Ylang, Bourbon	10 lb. tins	lb. . . .	: 9.00	
No. 1		lb. 7.00	: 9.00	
No. 2		lb. 5.00	: 6.00	
Manila, 1 lb. bot.		lb. 30.00	: 40.00	
Artificial	1 lb. bot.		lb. 10.00	: 12.00

## OLEORESINS

Aspidium, USP	1 lb. bot.	lb. 2.75	: 3.00
Capsicum, USP	5 lb. bot.	lb. 2.50	: 2.75
Cubeb, USP	1 lb. bot.	lb. 4.75	: 5.00
Ginger, 5 lb. bot.		lb. 3.00	: 3.10
Malefern, See Aspidium			
Orris, 1 lb. bot.		lb. . . .	: 18.00
Pepoer, black, USP	1 lb. bot.	lb. 3.50	: 4.00
Vanilla, 1 lb. bot.		lb. 9.50	: 10.00

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## Aromatic Chemicals

## NATURAL DERIVATIVES

Anethol, 2lb bot.	1.60	: 2.00
Borneol, 1lb bot.	...	: 3.50
Citronellal, 1lb bot.	2.00	: 2.35
CITRAL, 25lb cans.	2.75	: 3.00
EUCALYPTOL, USP, 25lb cans.	.80	: .85
Eugenol, USP, 25lb cans.	2.85	: 3.25
Geraniol, Domestic, 50lb cans.	3.00	: 3.50
Imported, 5lb bot.	3.00	: 3.50
Iso-Eugenol, 1lb bot.	4.50	: 5.00
Imported	6.50	: 7.00
Linalool, 5lb bot.	7.00	: 7.25
MENTHOL, 60lb cases.	...	: 10.00
Less cases, 5lb cans.	10.25	: 10.50
Rhodinol, 1lb bot.	15.00	: 20.00
SAFROL, 80lb cans.	.55	: .57
Thymol, USP, 10lb cans.	3.25	: 3.50

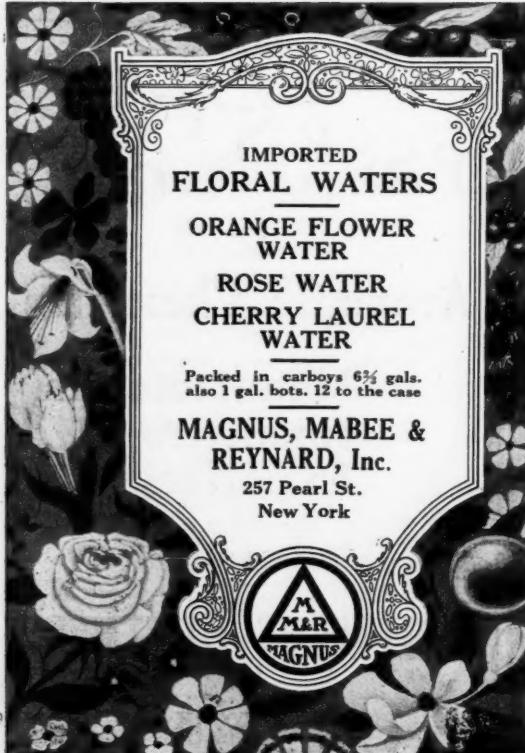
## SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5lb bot.	1.75	: 2.00
Acetophenone CP, 1lb bot.	4.00	: 4.25
Amyl Acetate, pure, 5 gal cans.	6.00	: 7.00
Amyl Butyrate, 1lb bot.	2.00	: 2.10
Amyl Formate, 1lb bot.	1.75	: 2.00
AMYL SALICYLATE, 100lb crys.	1.45	: 1.60
Anisic Aldehyde, 1lb bot.	3.40	: 4.00
BENZALDEHYDE, USP, 40lb crys.	1.50	: 1.60
FFC, 40lb crys.	1.75	: 1.85
Benzoi Ether, See Ethyl Benzate		
Benzyl Acetate, 100lb crys.	1.25	: 1.40
Benzyl Alcohol, 5lb bot.	1.50	: 1.75
BENZYL BENZOATE, 5lb bot.	1.60	: 1.75
Medicinal FFC	1.75	: 2.00
Benzyl Formate, 1lb bot.	2.50	: 3.00
Bromostyrol, 25lb kgs.	4.00	: 4.25
Butyric Ether, See Ethyl Butyrate		
Cinnamic Acid, 5lb cans.	3.00	: 3.25
Cinnamic Alcohol, Liquid 1lb bot.	10.00	: 12.00
Crystallizable	12.00	: 15.00

## Cinnamal Aldehyde, 1lb bot.

1lb bot.	3.20	: 3.50
CITRONELLOL, 1lb bot.	8.00	: 14.00
COUMARIN, 25lb cans.	4.50	: 4.75
DIETHYL PHTHALATE, 25lb cans.	.65	: .75
Diphenyloxide, 25lb tins.	.85	: .90
Ethyl Acetate, pure, 5lb bot.	.45	: .50
Ethyl Benzate, 5lb bot.	1.85	: 2.00
Ethyl Butyrate, 5lb bot.	2.00	: 2.25
Ethyl Cinnamate, 1lb bot.	4.50	: 5.00
Ethyl Formate, 5lb bot.	.95	: 1.00
Ethyl Valerate, 5lb bot.	4.50	: 4.75
Formic Ether, See Ethyl Formate		
Geranyl Acetate, 1lb bot.	4.25	: 4.75
Heliotropin, dom, 10lb bot.	2.00	: 2.25
Imported	2.50	: 2.75
Indol, CP, 1oz. bot.	.05	: 9.00
Ionone, 1lb bot.	5.00	: 9.00
Alpha	10.00	: 12.00
Beta	9.00	: 11.00
Methyl	12.50	: 15.00
Linalyl Acetate, 1lb bot.	7.00	: 10.00
Linalyl Benzoate, 1lb bot.	13.00	: 14.00
METHYL ANTHRANILATE dom.		
1lb bot.	3.50	: 4.00
Imported	4.50	: 5.00
Methyl Cinnamate, 1lb bot.	4.00	: 4.50
Methyl Paracresol, 1lb bot.	3.00	: 9.00
METHYL SALICYLATE, USP 500lb drums	.55	: .60
50lb cases	.57	: .62
Second Hands	.55	
Mirbane, rect, 1000lb drums	12.50	: 14
Musk Ambrette, 1lb cans.	14.50	: 16.50
Musk Ketones, 1lb cans.	13.00	: 14.00
Musk Xylene, 5lb cans.	2.90	: 3.15
Nerolin, 1lb cans.	1.75	: 2.00
Phenylacetalddehyde, Dom.		
1lb bot.	9.00	: 11.00
Imported	12.00	: 14.00
PHENYLETHYLALCOHOL dom.	3.00	: 4.00
1lb bot.	8.00	: 9.00
Imported	8.50	: 10.00

Phenylpropylalcohol, 1lb bot.	15.00	: 16.00
TERPINEOL, CP, 1000lb drums.	.50	: .55
Cans 50lb	.55	: .57
Imported, 25lb cans.	.95	: 1.20
Terpinyl Acetate, 25lb cans.	1.65	: 1.85
VANILLIN, USP, 400 oz. cans.	.41	: .42 1/2
Cans, 16 oz, 80 oz.	.41 1/2	
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1lb cans.	1.75	: 2.00
PERFUMERS' SUNDRIES		
Almond Meal, 25lb cans.	.28	: .30
Ambergris, black, bxs.	.05	: .06
Ambergris, gray, bxs.	.05	: .06
Balsam Copalina, Para, 80lb cases	.23	: .24
South American, 80lb cases.	.28	: .29
Balsam Peru, 60lb cans.	1.75	: 1.80
Balsam Tolu, 90lb cases.	1.15	: 1.35
Benzoin, Gum, Siam, bxs.	1.15	: 1.20
Castoreum, 1lb bot.	4.00	: 4.50
Chalk, precip. light, 175lb bbls.	.04 1/2	: .05
Cherry Laurel Water, 5 gal cans gal	1.15	: 1.25
Civet Abyssin, norm.	.275	: 3.75
Labdanum, 5lb bot.	.05	: .06
Lanolin hydrox, 350lb bbls.	.21	: .22
Anhydrous, 350lb bbls.	.23	: .24
Musk pods, Cabardine, tins.	16.00	: 17.00
Tonquin, tins.	22.00	: 23.00
Grains, Cabardine, tins.	25.00	: 26.00
Tonquin, tins.	35.00	: 38.00
Synthetic, See Aromatic Chemicals		
Orris Rt. Flor, power bbls.	.09	: .11
Verona, bbls.	.08	: .09
Petrolatum, snow white, 350lb bbls.	.04	: .12 1/2
Light Amber, 350lb bbls.	.04	: .04 1/2
Rice Starch, 140lb bags.	.09	: .10
Rose Water, 5 gal crys.	.90	: 1.10
Sandalwood chips, powd, bags.	.30	: .35
Saponin, 5lb tins.	1.25	: 1.50
Talc Italian, 220lb bags.	42.00	: 55.00
Talc French, 220lb bags.	32.00	: 45.00
Talc, domestic ref., 100lb bags.	20.00	: 30.00



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## Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, June 23 to June 30

**ACIDS—Arsenious**, 27 cks., Order, Bordeaux; Boracic, 250 bgs., Pacific Coast Borax Co., Leghorn; Citric, 300 cks., Order, Palermo; Cresylic, 50 drs., W. E. Jordan & Bros., Liverpool; 88 drs., Order, Liverpool; 17 drs., Order, Glasgow; 50 drs., Baltimore & Ohio R. R. Co., Glasgow; 32 drs., Guaranty Trust Co., Glasgow; 59 drs., Lunham & Moore, Rotterdam; Oxalic, 30 cks., R. W. Greeff & Co., Rotterdam; Phosphoric, 84 cks., W. A. Brown & Co., Hamburg; Tartaric, 1,020 cks., Order, Palermo

**ALOES**—100 cs., Selma Merc. Corp., Curacao

**AMMONIUM SALTS**—Carbonate, 20 cks., 1 csc., Brown Bros. & Co., Liverpool; Perchlorate, 976 ccs., A. H. Pickering, Genoa

**AMYL ACETATE**—9 cs., Houbigant, Inc., Havre

**ANILINE**—35 bbls., Nat. Amer. Bank, Copenhagen; 1 csc., Monroe Drug Co., Havana

**ANTIMONY**—Oxide, 634 bgs., Farmers Loan & Trust Co., Hankow; 250 bgs., China Hide & Produce Co., Hankow; Regulus, 250 bgs., Brown Bros. & Co., Hankow

**ANTHACENE**—37 cks., Lunham & Moore, Rotterdam

**ALCOHOL**—Amyl, 19 drs., N. Y. Trust Co., Rotterdam; Butyl, 47 cks., Comm. Solvent Co., Bordeaux; 19 cks., Order, Bordeaux

**ARGOLS**—42 cks., Tartar Chem. Wks., Naples

**ARSENIC**—67 drs., Order, Beira; 120 cks., Order, Hamburg

**BALSAM**—8 cs., Dodge & Olcott, Manzanillo; 2 drs., Eggers & Heinlein, Puerto Cortez

**BARK**—10 bbls., Armand Gaidan Freres & Co., Marseilles; Cinchona, 14 bbls., 23 bgs., Order, Rotterdam; Mangrove, 6,003 bgs., Bingham & Co., Beira

**BARIUM**—Chloride, 69 cks., Order, Hamburg

**BARYTES**—400 bgs., L. H. Butcher & Co., Bremen

**BERRIES—Juniper**, 100 bgs., Order, Leghorn

**CAMPHOR**—200 ccs., Amer. Tdg. Co., Shanghai; 3 cs., Phila. Nat. Bank, Hamburg

**CARBON**—63 bgs., L. A. Salomon & Bro., Rotterdam; Blocks, 3 cks., Morganite Brush Co., Southampton

**CASEIN**—242 sks., Nat. City Bank, Bordeaux; 110 sks., N. Y. Trust Co., Bordeaux; 192 bgs., E. B. Muns, St. Nazaire; 60 bbls., N. Y. Trust Co., Southampton

**CITRATE OF MAGNESIA**—200 cks., Order, Genoa

**COAL TAR DISTILLATE**—69 drs., Order, Liverpool; 10 drs., Guaranty Trust Co., Glasgow; 52 drs., Order, Liverpool

**COLORS**—28 cks., Bank of Manhattan Co., Genoa; 25 cks., Irving Bk., Genoa; 3 cks., Amer. Exch. Nat. Bk., Genoa; 10 cks., Order, Genoa; 1 cck., Organic Prod. Co., Havre; 10 bbls., Order, Hamburg; 4 cks., Sandoz Chem. Wks., Havre; 19 cks., Geigy Co., Havre; 13 cks., Ciba Co., Havre; 4 cs., Devon & Raynolds, London; 8 cs., Order, London

**DIVI DIVI**—89 bgs., Selma Merc. Co., Curacao

**DRAGON'S BLOOD**—25 cs., Order, Singapore

**EXTRACTS—Mangrove Bark**, 3,300 bgs., Order, Singapore; Quebracho, 10,400 bgs., Tannin Corp., Buenos Aires; 8,160 bgs., Fourth Atlantic Nat. Bk., Buenos Aires; 1,080 bgs., Nat. Bk. of Commerce, Buenos Aires; 14,621 bgs., Intern. Prod. Co., Buenos Aires

**FLOWERS**—4 bbls., S. B. Penick & Co., Marseilles; Dried, 8 bbls., Armand Gaidan Freres & Co., Marseilles

**GALLNUTS**—5 bgs., Order, Trieste

**GAMBIER**—511 cs., Order, Singapore

**GELATIN**—50 cks., Order, Marseilles

**GLAUBER SALT**—110 cks., E. M. Sergeant & Co., Hamburg; 310 bgs., A. J. Marcus, Hamburg

**GLUE**—5 cks., Nat. Chem. & Mica Co., Liverpool; 1,997 bgs., M. Snedeker Corp., Marseilles; 5 bgs., Order, Marseilles; 100 sks., Order, Bordeaux; 1 cs., 114 bbls., Intern. Mercantile Marine Co., Antwerp; 25 bgs., S. Greenberg, Hull; 300 bgs., Nat. Gum and Mica Co., London; 20 bgs., Nat. Gum and Mica Co., Liverpool; 40 bgs., Milligan & Higgins Co., Liverpool; 300 bgs., C. B. Hewitt Co., Liverpool; 200 bgs., T. W. Dunn Co., Bremen; 105 bgs., W. E. Miller, Havre

**GLUESTOCK**—417 bbls., Order, Genoa

**GLYCERIN**—70 drs., Order, Marseilles

**GUMS**—21 bgs., G. H. Linck, Marseilles; 100 sks., Thurston & Braudich, Bordeaux; 210 bgs., Chem. Nat. Bk., Singapore; 40 cs., Order, Singapore; 6 cs., Order, Constantinople; 140 bgs., 50 cs., Chem. Nat. Bk., Singapore; 140 bgs., 50 cs., Baring Bros. & Co., Singapore; 30 cs., Order, Havre; **Ara**bic, 210 bgs., Thurston & Braudich, Pt. Sudan; 263 bgs., Brown Bros. & Co., Pt. Sudan; 300 bgs., T. M. Duche & Sons, Pt. Sudan; 100 bgs., Anglo Egypt Bk., Pt. Sudan; 125 bgs., Order, Pt. Sudan; 262 bgs., Thurston & Braudich, Pt. Sudan; 525 bgs., T. M. Duche & Sons, Pt. Sudan; **Benzoin**, 100 cs., Brown Bros. & Co., Padang; **Copal**, 277 bgs., Intern. Mercantile Marine Co., Antwerp; 70 bgs., Guaranty Trust Co., Singapore; 120 bgs., Baring Bros. & Co., Singapore; 140 bgs., L. C. Gillespie & Sons, Singapore; 24 bgs., S. Winterbourne & Co., London; 100 bgs., L. C. Gillespie & Sons, Singapore; 70 bgs., France, Campbell & Darling, Singapore; 160 bgs., Kidder, Peabody & Co., Singapore; 200 bgs., Irving Bk., Columbia Trust Co., Singapore; 210 bgs.,

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**HERBS**—12 pkgs., Order, Bremerhaven.

**IRON OXIDE**—268 bbls., C. K. Williams & Co., Malaga; 147 bbls., 40 bgs., Nat. City Bk., Malaga; 100 bbls., C. J. Osborn & Co., Malaga; 200 bbls., Hummel & Robinson, Malaga; 115 bbls., Reichard Coulston, Malaga; 100 bbls., E. M. & F. Waldo, Malaga; 20 cks., Reichard Coulston, Liverpool; 42 cs., Batter Park Nat. Bk., Liverpool; 41 cks., J. A. McNulty, Liverpool; 14 cks., Reichard Coulston, Liverpool; 15 cks., J. McNulty & Co., Liverpool; 30 cks., Order, Liverpool.

**KAPOC**—4 bbls., Balfour, Williamson & Co., Sourabaya; 500 bbls., Elliot Mills, Inc., Sourabaya; 200 bbls., Boston Excelsior Co., Sourabaya; 263 bbls., Fearon Bros. & Co., Sourabaya; 90 bbls., Equit. Trust Co., Batavia.

**LEAVES**—Coca, 264 bbls., Merck & Co., Rotterdam; Dry, 35 bbls., Order, Marseilles; **Buchu**, 5 bbls., Order, Southampton; **Laurel**, 50 bbls., Order, Leghorn; **Patchouli**, 70 bbls., Order, Singapore; **Senna**, 112 bbls., Brown Bros. & Co., Pt. Sudan; 196 bbls., Nat. Bk. of Egypt, Pt. Sudan; 57 bbls., Order, Pt. Sudan; 24 bbls., Irving Bk., Pt. Sudan; **Thyme**, 24 bbls., S. Hade, Marseilles.

**LIME JUICE**—20 hhdts., T. A. Hedley, Liverpool.

**LIME NITRATE**—22 cs., Order, Christiania

**MYROBALANS**—5,200 pkts., Nat. City Bank, Calcutta; 12,233 pkts., Order, Calcutta.

**NAPHTHALENE**—390 bgs., Pacific Chem. Co., Hamburg; 1,472 bgs., Lunham & Moore, Rotterdam.

**NUX VOMICA**—192 bgs., Order, Cochin; 342 bgs., Order, Madras.

**OILS**—**Coconut**, 869 tons, Philippine Ref. Corp., Manila; 807 tons, Spencer Kellogg & Sons, Manila; **Cod**, 100 bbls., Order, Aberdeen; **Cod Liver**, 200 bbls., Scott & Bowne, Stavanger; 600 bbls., Order, Bergen; 10 bbls., Schieffelin & Co., Bergen; 100 bbls., Eli Lilly & Co., Bergen; 25 bbls., Distilleries Chem. Co., Bergen; 25 bbls., McKesson & Robbins, Bergen; 25 bbls., W. Benkert & Co., Bergen; 25 bbls., S. B. Penick & Co., Bergen; 100 bbls., E. R. Squibb & Co., Bergen; **Crosette**, 5,000 tons, Order, Hull; **Fusel**, 2 cks., Egger & Sorenson, Bergen; 34 bbls., 10 drs., Order, Hamburg; 2 drs., Order, Dunkirk; 8 drs., N. Y. Trust Co., Rotterdam; 3 drs., A. Hurst & Co., Rotterdam; 26 drs., Order, Rotterdam; **Linseed**, 290 bbls., F. C. Francesconi & Co., Hull; 800 tons, Archibald Daniels Linseed Co., Hull; 100 bbls., Order, Hull; 268 bbls., Order, Manchester; **Olive**, 150 cs., J. Fetrocelli & Co., Genoa; 84 cs., Order, Genoa; 200 cs., Order, Genoa; 230 cs., Latorraca Bros., Genoa; 100 cs., S. Montaperto, Genoa; 200 cs., Venice Imp. Co., Genoa; 500 cs., M. Ajello & Co., Genoa; 205 bbls., Equit. Trust Co., Marseilles; 300 bbls., Nat. City Bk., Marseilles; 100 bbls., Knauth, Nachod & Kuhne, Marseilles; 100 bbls., Nat. City Bk., Marseilles; 150 pkgs., Austin Nichols & Co., Malaga; 100 cs., F. N. Giavi, Malaga; 315 bbls., Whitney Central Nat. Bk., Malaga; 150 bbls., Lazar Freres, Malaga; 350 cs., Huth & Co., Malaga; 210 bbls., Equit. Trust Co., Malaga; 200 cs., Nicelle Olive Oil Co., Nice; 492 cs., A. E. Rittwagen & Co., Malaga; 100 cs., Societe Colombo Co., Syracuse; 123 cs., Grosvenor, Nichols & Co., Leghorn; 500 cs., Order, Leghorn; 212 cs., Order, Paiermo; 500 cs., E. La Montagne's Sons, Bordeaux; 300 cs., East River Nat. Bk., Genoa; 105 cs., J. Salari & Co., Genoa; 470 cs., F. H. Leggett & Co., Leghorn; 1,000 cs., Order, Leghorn; 250 cs., European Export Co., Malaga; 400 pkgs., Scaramelli & Co., Malaga; 100 cs., S. Cofentino, Palermo; 559 cs., Nat. City Bk., Marseilles; 625 cs., J. P. Smith & Co., Marseilles; **Sulfur Olive**, 100 bbls., Chem. Nat. Bk., Messina; 100

bbls., Order, Catania; **Palm**, 264 cks., J. Holt & Co., Rotterdam; 68 cks., W. Porter & Co., Rotterdam; 39 cks., Amer. Exp. Co., Liverpool; 208 cks., Niger Co., Liverpool; 39 cks., Order, Liverpool; **Kernel**, 100 bbls., Order, Hull; **Rape**, 100 bbls., Order, Hull; **Sesame**, 146 bbls., Nat. City Bk., Rotterdam; **Soya Bean**, 791 tons, 5 cwt., Mitsubishi Shoji Kaisha, Dairen.

**OILS, ESSENTIAL**—3 drs., Magnus Mabee & Reynard, Genoa; 3 cs., L. Serra, Genoa; 50 cs., A. Minieri, Naples; 80 cs., Order, Messina; 3 cs., Fritzsche Bros., Catania; 11 cs., G. Lueders & Co., Catania; 20 cs., Order, Bordeaux; 3 cs., F. D. Asche, Padang; 13 drs., Bertrand Freres, Malaga; 6 drs., Ungerer & Co., Valencia; 9 drs., P. R. Dreyer, Valencia; 6 cs., Roure Bertrand & Co., Tarragona; 2 cs., P. Lemoine & Co., Grasse; 14 bxs., Polaks Frutal Wks., Rotterdam; 13 cs., C. B. Richard & Co., Havre; 2 cs., Orbis Products Trdg. Co., Havre; 75 cks., Will & Baumer Co., Havre; 1 cs., G. W. Sheldon & Co., Marseilles; 1 cs., Fox & Clark, Marseilles; 3 cs., L. A. Van Dyk, Marseilles; 1 cs., Lehn & Fink, Marseilles; 67 cs., Order, Marseilles; 4 cs., Guaranty Trust Co., Southampton; **Almond**, 10 cs., Lehn & Fink, Marseilles; **Anise**, 6 drs., Order, Hongkong; **Bergamot**, 80 cs., Order, Messina; **Cananga**, 1 drum, Order, Batavia; **Cassia**, 30 cs., Order, Hongkong; **Citronella**, 10 drs., Goldman Sachas & Co., Batavia; **Geranium**, 1 dr., Pontecarbo Munter & Co., Bordeaux; 3 drs., A. Chiris & Co., Marseilles; 2 cks., 5 drs., J. Manheimer & Co., Marseilles; **Lavender**, 3 cs., Delphi Products Co., Tarragona; 4 cks., Order, Marseilles; **Lemon**, 109 cs., Order, Genoa; **Lemon Gras**, 10 drs., Order, Cochin; **Orange**, 50 cs., Order, Valencia; **Patchouli**, 10 cs., Huth & Co., Singapore; **Petit Grain**, 21 cs., Equit. Trust Co., Buenos Aires; **Ylang Ylang**, 10 cs., H. Dobler, Manila; 4 cs., Ungerer & Co., Marseilles.

**OPIUM**—20 cs., Order, Rotterdam.

**POTASSIUM SALTS**—30 cks., A. Klipstein & Co., Hamburg; 25 cks., Mager Sonderburg Co., London; **Caustic**, 361 drs., E. Suter & Co., Hamburg; **Chlorate**, 150 bbls., Asia Bkg. Corp., Marseilles; 325 cks., Order,

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**POTATO STARCH**—1,000 bgs., Stein Hall & Co., Rotterdam.

**PHOSPHORUS, RED**—13 cs., Rotterdam Oversea Trdg. Co., Hamburg.

**PYRIDINE**—10 drs., Lunham & Moore, Rotterdam.

**QUICKSILVER**—80 bottles, A. H. Pickering, Genoa; 100 flasks, Order, Leghorn.

**QUININE**—100 cs., R. W. Greeff & Co., Rotterdam.

**ROOTS**—5 bls., W. Benkert & Co., Hamburg; **Broom**, 100 bls., Order, Vera Cruz; 141 bls., H. Triest & Co., Vera Cruz; **Canagria**, 39 bgs., Order, Vera Cruz; **Ipecac**, 2 cs., Fidanguer Bros., Panama; **Jalap**, 3 bgs., Order, Vera Cruz; 3 bgs., H. Triest Co., Vera Cruz; **Licorice**, 120 bls., Order, Catania; **Sandalwood**, 264 bgs., Order, Madras; **Sarsaparilla**, 4 bgs., Eggers & Heinkel, Pto. Cortez.

**SAPONINE**—2 cs., Schultz & Ruckgaber, Hamburg.

**SEEDS**—27 bgs., S. B. Penick & Co., Marseilles; 11 bgs., J. Schoenegan, Marseilles;

31 bgs., Order, Marseilles; 23 bgs., Andersson Hillier & Co., Hamburg; **Anise**, 26 bgs., Order, Palermo; 80 bgs., Order, Marseilles; **Castor**, 69,100 bgs., Order, Coconada; **Colocynth**, 57 bls., Anglo-Egypt Bk., Pt. Sudan; 57 bls., Nat. Bk. of Egypt, Pt. Sudan; **Flax**, 42,563 bgs., Order, Buenos Aires; 55,096 bgs., Order, Buenos Aires; **Lucerne**, 100 bgs., Order, Southampton.

**HELLAC**—495 bgs., Phila. Nat. Bk., Calcutta; 100 bgs., Brown Bros. & Co., Calcutta; 3 bgs., Irving Bk., Calcutta; 450 bgs., Chase Nat. Bk., Calcutta; 1,125 bgs., Order, Calcutta; **Button**, 115 bgs., Order, Calcutta; **Garnet**, 20 cs., 150 bgs., Brown Bros. & Co., Calcutta; **Refuse**, 1,825 bgs., Bank of Manhattan Co., Calcutta; **Seed**, 735 bgs., Order, Calcutta.

**SAL AMMONIAC**—15 bbls., P. Bauer & Co., Hamburg.

**SODIUM SALTS**—**Bromide**, 100 cs., Nat. Amer. Bk., Hamburg; **Cyanide**, 136 cs., Nat. City Bk., Havre; 168 cs., Nat. City Bk., Marseilles; 120 cs., Asia Bkg. Corp., Marseilles; 123 cs., Asia Bkg. Corp., Havre; 2,115 cs., Roessler & Hasslacher Chem. Co., Hamburg; **Nitrate**, 3,439 bgs., Order, Christania; 95,308 bgs., Wessel Duval & Co., Iquique; **Sulphhydrate**, 39 drs., Order, Hamburg; **Prussiate**, 24 cks., H. J. Baker & Bro., Liverpool; 23 cks., Order, Liverpool.

**TALC**—2,700 bgs., Italian Disc. & Trust Co., Genoa; 350 bgs., Perfumes de Luxe, Genoa; 2,300 bgs., Order, Genoa.

**TAPIOCA**—1,199 bgs., Order, Sourabaya; 1,300 bgs., Phila. Nat. Bk., Sourabaya, 2,531 bgs., Hvg. Amsterdam, Sourabaya; 2,001 bgs., Order, Batavia; 1,642 bgs., Order, Liverpool.

**TARTAR**—255 cks., C. Pfizer & Co., Marseilles; 490 cks., Tartar Chem. Wks., Marseilles; 384 bgs., C. Pfizer & Co., Marseilles; 588 bgs., Tartar Chem. Co., Marseilles; **Cream**, 25 cks., R. W. Greeff & Co., Bordeaux; 8 cks., Order, Rotterdam.

**TURMERIC**—160 bgs., Order, Cochin.

**UMBER**—19 cks., L. H. Butcher & Co., Hull.

**VANILLA BEANS**—151 cs., Dodge & Olcott, Marseilles; 43 cs., Order, Marseilles; 48 cs., Thurston & Braithwaite, Marseilles; 78 cs., Order, Marseilles; 7 cs., Amer. Exp. Co., Vera Cruz; 47 cs., Gomez & Sloan, Vera Cruz; **Wax**, 100 cs., Order, Havre; **Bees**, 100 bgs., Knauth, Nachod & Kuhne, Rotterdam; 3 bgs., Porcella Vicini & Co., Monte Cristi; 10 bgs., Order, Constantinople; 33 bgs., London & Brazil Bk., Rio de Janeiro; 217 bgs., Amer. Tdg. Co., Rio de Janeiro; 139 bgs., Banco Nac. Untramarino, Lisbon; **Carnauba**, 67 bgs., Amer. Tdg. Co., Rio de Janeiro; **Montan**, 71 bgs., Order, Hamburg.

**WHITING**—**Powdered**, 5,480 bgs., Taintor Trdg. Co., Dunkirk.

**ZINC—Oxide**, 216 cks., Coty, Inc., Havre;

**White**, 230 bbls., Nat. City Bk., Marseilles; 50 bbls., Order, Marseilles.

Imports at San Francisco for week ending June 23 included the following: On steamer Montivello, from Hamburg, to T. H. Abbott Co. 100 barrels potash, to order 96 barrels potash and 250 bags white barytes; from Liverpool, to order 50 bags white pepper, and from London, to order 171 bags erra amber. On steamer Canadian Highlander, from Dairen, to order 100 barrels bean oil. On steamer Chiapas, from La Union, to J. B. Havre & Co. 77 bales henequin. On steamer Vermont, from Antwerp, to order 299 barrels

oil and 4 cases vitrophone. On steamer Lochgoil, from London, to A. Guerland Bros. 89 cases olive oil and to order 547 cases olive oil; from Rotterdam, to order 75 barrels gelatine and 250 bales cinnamon.

John J. Watson, Jr., vice president International Chemical Co., says that foreign sales of phosphate rock during the last two months have been the largest recorded for a similar period in many years.

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[JULY 4, 1923]

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Thorkildsen-Mather Co.  
Victor Chemical Works  
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Wilckes-Martin-Wilckes Co.  
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Danco Sales Corp.  
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Pfaltz & Bauer  
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Seydel Chem. Co.  
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U. S. Industrial Chemical Co.  
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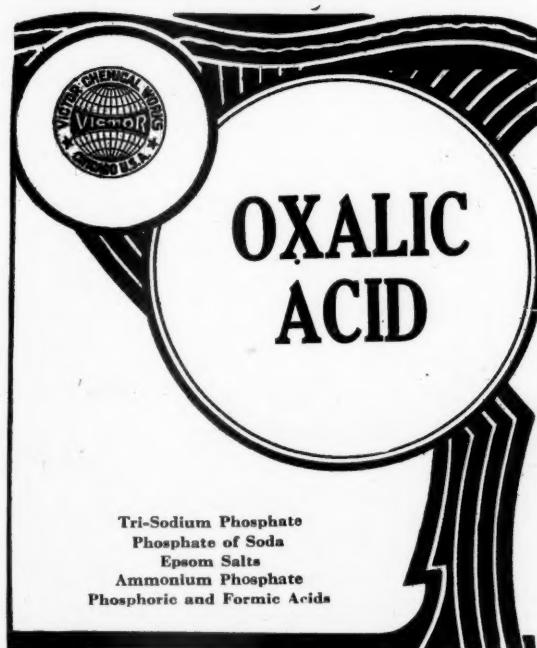
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[JULY 4, 1923]

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